

1st February, 1904

Date : 3/16/25 9:17 PM

<https://nla.gov.au:443/nla.obj-473352873>

Copyright varies by issue and article

Reason for copyright status: Serials have an open range of dates.

Copyright status was determined using the following information:

Material type: Literary, dramatic or musical work

Copyright status may not be correct if data in the record is incomplete or inaccurate. For more information regarding Copyright in Library Collections visit <http://copyright.org.au> and <http://www.nla.gov.au/copyright-in-library-collections>

The National Library of Australia supports creativity, innovation and knowledge-exchange but does not endorse any inappropriate or derogatory use. Please respect indigenous cultural and ethical concerns.

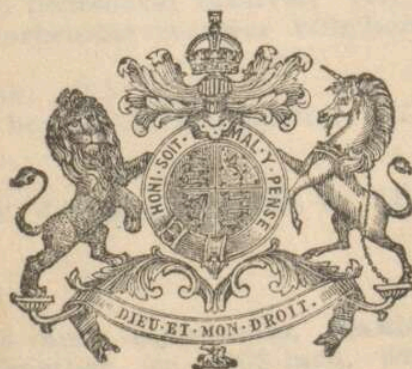
[§§ 11992 to 12056.]

[*Issued with Army Orders, dated 1st February, 1904.*]

[*All rights reserved.*]

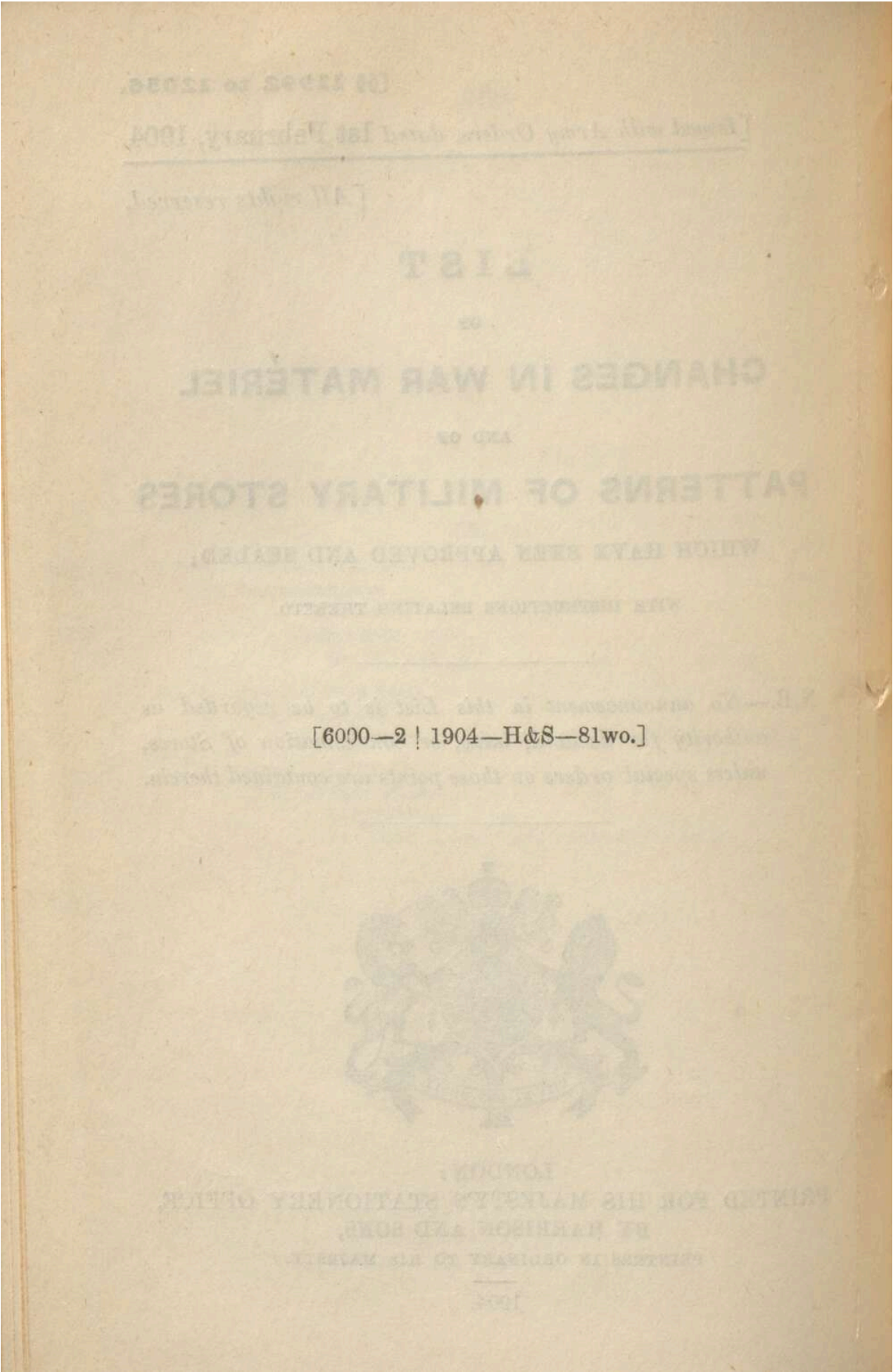
LIST
OF
CHANGES IN WAR MATÉRIEL
AND OF
PATTERNS OF MILITARY STORES
WHICH HAVE BEEN APPROVED AND SEALED;
WITH INSTRUCTIONS RELATING THERETO.

N.B.—*No announcement in this List is to be regarded as authority for demand, issue, or condemnation of Stores, unless special orders on those points are contained therein.*



LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
BY HARRISON AND SONS,
PRINTERS IN ORDINARY TO HIS MAJESTY.

1904.



CONTENTS.

Article.	Para.	Page.
Apparatus, position-finding:—		
Bell, electric, alarum. (I.).. ..	12041	609
Boards, terminal—		
G. (I.)		
K. (I.)		
Bracket, horizontal receiver microphone. (I.)		
Dial, electric, range, E. (I.)— <i>Nomenclature.</i>	12042	610
Microphone, horizontal receiver. (I.) ..	12041	609
Receiver, horizontal receiver telephone. (I.)		
Switch, hook. (I.)		
Telephone, horizontal transmitter. (I.)		
Bar, supporting, draught pole, No. 3. (I.)..	12004	580
Boxes:—		
Spare parts and implements, Maxim, G.G. chamber, or .303-inch, con- verted. (I. and II.)— <i>Alteration to take any "Mark" of gun lock.</i>	12056	622
Spare springs, keep pins, washers, or insulators. (I.)— <i>Nomenclature.</i>	12005	583

Article.	Para.	Page.
Carriages:—		
Garrison, B.L.—	12008	585
5-inch, Vavasseur. (I., II., and III.)— <i>Electric firing.</i>		
Travelling, Q.F.—	12009	585
4·7-inch. (I.)—		
4·7-inch, converted. (I.)— <i>Alterations to sight bar of sighting gear.</i>		
4·7-inch, converted, special. (I.)— <i>Addition of leather tool box.</i>	12011	587
Cart, small-arm ammunition. (II.***)— <i>Loading bar brackets to be accurately fitted.</i>	11995	570
Cartridges:—		
B.L., 10-pr., 1 lb., blank, L.G. (I.)— <i>Packing.</i>	12028	597
Q.F.—	12029	597
15-pr., saluting, filled. (I.) <i>Service capped case to be used for saluting purposes; portion of § 10726 cancelled.</i>		
12-pr. 12-cwt, filled, 2 lb., cordite, M.D., size 11—	12030	598
Bag, shalloon. (I.)		
Wad, (I.)		
With adapter. (I.)		
With primer. (I.)		
6-pr. and 3-pr., cordite— <i>Re-capping, re-priming with gun-cotton, and marking.</i>	12031	599
Q.F., or Q.F.C.—	12030	598
Cylinder, cordite, M.D.—		
With igniter, ·05-inch. (I.) ..		
Without igniter, ·05-inch. (I.)..		
Igniter, 10 drs., F.G. or R.F.G. ² (I.)..	12024	595
R.M.L.—		
11-inch, 25 lb. 4 oz., cordite, size 10. (I.)—		
10-inch, 20 lb. 6 oz., cordite, size 10. (I.)— <i>Packing in No. 28A cylinders.</i>		

Article.	Para.	Page.
Case, transport, detonators. (III.)	12026	596
Clipper, horse, F.S. (I.).. ..	11998	571
Covers:—		
Breech, B.L., 6-inch, Marks IV. and VI., guns. (I.)— <i>Nomenclature.</i>	12022	594
Cartridge, paper, B.L., 10-pr., 1 lb., blank..	12032	601
Cylinder, cartridge, No. 28A. (I.) <i>Conversion of No. 20A cylinders.</i>	12024	595
Dischargers, lightning:—		
Bobbin. (I.)	12048	618
Circular. (II.)—		
Mounted—		
Double—		
Base		
Cover		
Single—		
Base		
Cover		
Unmounted		
Field, 2-line plate.— <i>To become obsolete</i> ..		
Drum, silent. (III.)	11998	569
Engines, fire:—		
Couplings, instantaneous—		
No. 1 engine. (I.)	12038	607
Nos. 2 and 3 engines. (I.)		
Screws, junction—		
No. 1 engine—		
3¼-inch male screw. (I.).. ..		
3¼-inch female screw. (I.)		
Nos. 2 and 3 engines—		
2-inch male screw. (I.)		
2-inch female screw. (I.)		
Errata	—	624
Flag, signal, pendant, R.G.A. (II.) <i>Alteration of Mark I. flags.</i>	12040	608

IV

Article.	Para.	Page.
Gauge, pressure, standard. (II.)—	} 12001	578
Adapter. (I.)		
<i>Addition of adapter.</i> <i>Nomenclature.</i>		
Guncotton, dry:—	} 12025	586
Primer, H. (I.)— <i>Nomenclature.</i>		
Guns, Nordenfelt, 1-inch:—	} 12012	588
2 barrel—		
4 barrel—		
<i>Obsolete, together with all stores special</i> <i>thereto.</i>		
Harness and saddlery:—	} 11999	572
Collar, head, stable. (I.)— <i>Adjustment locally.</i>		
Harness, breast, pole draught, R.A.:—	} 12000	572
Breeching. (I.)		
Collar, breast. (I.)		
Neckpiece, pole bar. (I.)		
Straps—		
Hip, long, wheel, pair. (I.)		
Loin, lead. (I.)		
Neck. (I.)		
Traces—	} 12043	610
Wire—		
Long. (I.)	} 12044	613
Short. (I.)		
Lamps:—	} 12027	597
Electric, arc, horizontal, 90-cm., pro- jector. (I.)— <i>Accessories.</i>		
Signalling, A. (I.)— <i>Obsolete.</i>		
Lanyard, friction tube, garrison, No. 3.— <i>To be shortened locally as required.</i>	—	623
Lithographs, list of	} 12049	619
Mattock, telegraph equipment. (I.)		
Case. (I.)		
Head. (I.)		
Helve. (I.)		

V

Article.	Para.	Page.
Mekometers:—		
Artillery—		
Horse and field—		
Left. (I.)—		
Reel and Cord. (I.)—		
Right. (I.)—		
Mountain—		
Left. (I.)—		
Right. (I.)—		
<i>To become obsolete.</i>		
General Service—		
Cord. (I.)		
Handle. (I.)		
Instrument, left. (I.)—		
Case. (I.)	12050	619
Instrument, right. (I.)—		
Case. (I.)		
Reel. (I.)		
Set. (I.)		
Telescopes—		
High power		
Low power		
Infantry—		
Left. (I.)—		
Right. (I.)—		
Infantry or Mountain Artillery—		
Reel and cord. (II.)—		
<i>To become obsolete.</i>		
Nails:—		
Wire, iron, grooved—		
6-inch		
5 "		
4 "		
3 "		
2½ "		
2 "	12002	578
1½ "		
1¼ "		
1 "		
Wire, round shanks—		
<i>No more to be obtained.</i>		

Article.	Para.	Page.
Ordnance:—		
Hook, supporting cable. (I.)— Addition of spring washer and modified securing screw. Nomenclature.	12016	590
Ordnance, B.L., and B.L.C.— Toe piece, locks E. and P., "E." and "F."— Modified toe piece for future manufacture.	12017	591
Ordnance, B.L.— 9·2-inch, wire, Marks X. and X.v— Carrier— Hard steel piece added to form a stop for breech screw when unlocked.	12018	592
5-inch, Marks II. to V.— Bolts, stop— To be shortened ·05 inch.	12019	592
Ordnance, Q.F.— 6-inch B, and Q.F.C., 6-inch— Striker, E. and P.— 4·7-inch B, and 4-inch, Mark III.— Striker, E. and P.— 12-pr.— Striker, E. and P.— Spare insulators for striker to be issued. Washer at rear end of needle to be of vulcanized fibre; first issue of spare washers to be made in a tin box; nomen- clature of spare washers for striker.	12005	588
Pedestals, carriage:— No. 10. (I.)— No. 11. (I.)— Nomenclature.	12010	587
Poles, draught:— No. 17. (II.* and III.) No. 18. (I.* and II.) Alteration of existing poles as required.	12004	580

Article.	Para.	Page.
Projectiles :—		
B.L.—		
8-inch, special for Marks VII. and VIII.A guns—	12035	603
<i>Driving band.</i>		
Q.F.—		
4·7-inch—	12036	604
<i>Driving band.</i>		
<i>Existing projectiles re-banded to have * added to numeral.</i>		
12-pr.—	12033	602
<i>Driving band.</i>		
Protractors, ivory, rectangular, 6-inch :—		
A—	12045	613
B—		
<i>Nomenclature.</i>		
Rest. bicycle, tent—	11994	569
<i>Painting.</i>		
Rheostat. (II.)	12051	620
Rifles, aiming :—		
1-inch, Elswick B—	12013	588
Frame, adjusting, rear—		
B.L.—		
9·2-inch—		
Marks III. to VII. guns—		
Marks VIII. and IX. guns—		
Marks X. and X.v guns—		
7·5-inch—		
6-inch, Marks VII. and VII.v guns—		
B.L.C., 5-inch—		
Q.F.—		
6-inch and 6-inch B guns—		
4·7-inch, 4·7-inch A and B guns—		
12-pr. guns—		
Mark I.—		
Ring, breech—		
Mark II.—		
Ring, breech—		
<i>Indicator rings or lines engraved, and directions stamped, on breech rings and rear adjusting frames to facilitate assembling the aiming rifle in gun.</i>		
§ 11789 cancelled.		

Article.	Para.	Page.
Rifles, aiming—continued.		
1-inch, Morris, Q.F.—	12014	589
6-inch, 6-inch B, and Q.F.C., 6-inch—		
4 7-inch, 4 7-inch A and B—		
<i>To be used for electric firing only; portion of § 11917 cancelled.</i>		
Rulers, plane table:—		
Large. (I.)—	12052	621
Case. (I.)—		
Small. (II.)—		
Case. (I.)—		
Small. (III.)—		
Case. (I.)—		
<i>Nomenclature.</i>		
Scales:—		
Marquois—	12045	613
Mathematical, boxwood—		
<i>Nomenclature.</i>		
Weighing—	12039	607
Diet—		
Beams—		
<i>Obsolete.</i>		
Screw, brass, binding. (I)—	12046	617
<i>To become obsolete.</i>		
Shell:—		
B.L.—	12035	603
8-inch—		
Armour-piercing, special for		
Marks VII. and VII.A guns.		
(III)		
Common, lyddite, special for		
Marks VII. and VII.A guns.		
(III)		
Q.F.—	12036	604
4 7-inch—		
<i>Addition of * to numeral when re-</i>		
<i>banded with driving band to</i>		
<i>design R.L. 10894 B.</i>		
Armour-piercing. (V.)—	12037	606
<i>Driving band.</i>		
Common—		
Lyddite. (IV.).. ..		
Pointed, cast steel. (VIII.)	12038	602
Shrapnel. (IV)		
12-pr.—		
Common, printed, cast steel. (VI.)		
Shrapnel. (VIII.).. ..		

Article.	Para.	Page.
Shot, solid:—		
Q.F.—		
4·7-inch—		
<i>Addition of * to numeral when re-</i>	12036	604
<i>banded with driving band to</i>		
<i>design R.L. 10894 B.</i>		
(II.)		
12-pr.—		
(II.)	12033	602
Sights:—		
B.L.—		
Fore, B—		
Left. (II.*)	12020	593
Right. (II.*)		
Tangent, 6-inch, Marks III., IV.,		
and VI. guns—		
Left. (IV.*)	12015	590
Right. (IV.*)		
Q.F.—		
Fore—		
12½-pr., Mark I., and Nordenfelt,	12015	590
L.S. guns. (I.)—		
<i>Extended use and nomen-</i>		
<i>clature.</i>		
R.M.L.—		
Tangent—		
A—		
12·5-inch—		
Mark I. gun—		
Left—		
Right—		
Mark II. gun—	12021	591
Left—		
Right—		
B—		
12·5-inch—		
Mark I. gun—		
Mark II. gun—		
<i>To be stamped "Full,</i>		
<i>P. or C."</i>		
Sponges, B.L., 12-inch:—		
16-inch chamber. (III.)	12023	591
14½-inch chamber. (III.)		

X

Article.	Para.	Page.
Stamps, Army telegraph:—		
Dating—	} 12053	621
Nomenclature.		
Paid		
Standard, length—	} 12045	613
Nomenclature.		
Staples, supporting wire:—		
Large—	} 12054	622
Small		
Obsolete.		
Targets, Artillery:—		
High speed	} 12003	579
High speed—		
Portsmouth pilot, Nos. 1 and 2—		
No more to be provided; conversion of existing targets.		
Hong Kong pattern modified—		
No more to be provided.		
Telephones:—		
Admiral, small—	} 12047	617
Bell, alarm, electric. (I.)—		
Board, terminal, G. (I.)—		
Cord, receiver. (I. and II.)—		
Receiver. (I.)—		
Switch, electric. A. (I.)—		
Transmitter. (I., I*, and II.)—		
Obsolete.		
Operators—	} 12055	622
Box, spare carbons. (I.)—		
Nomenclature.		
Tools:—		
Armourers—	} 11992	589
Rod, cleaning cylinder, pistol, Webley. (I.)		
Cartridge, Q.F., saluting—	} 12031	599
Rod, 4-inch. (I.)—		
Re-introduction.		
Re-forming cartridges, Q.F., or Q.F.C.—	} 12034	603
Machine, extracting shell, 2.95- inch. (I.)		

Article.	Para.	Page.
Wagons:—		
Ammunition and store, R.A.—	} 11996	570
With pole. (II.* to IV.)—		
With shafts. (II.)—		
<i>No more bale hoops to be provided.</i>		
Ammunition, B.L., 12-pr. 6-cwt. (II.)—	} 12006	584
<i>New perches to be fitted.</i>		
Artillery. (I. to II.)—	} 11996	570
Forge, R.A. (I. to III.)—		
General Service—		
(III. to VIII.*)—		
Converted surgery, spring—		
Equirotal—		
Heavy spring—		
Platform, R.B.L., 40-pr. battery.—	} 11997	571
<i>No more bale hoops to be provided.</i>		
Small arm ammunition. (I.*)	} 11996	570
<i>Alteration to Mark I. wagons to carry small arm ammunition in chargers.</i>		
Store, R.A. (I. and II.)—		
<i>No more bale hoops to be provided.</i>		
Wheels:—		
2nd Class B—	} 12007	584
No. 27*—		
<i>No more to be provided.</i>		
<i>To be returned to store.</i>		
2nd Class C—		
No. 34—		
<i>Nomenclature.</i>		
<i>Wheels to be stamped locally.</i>		
No. 34A		
Steel, Q.F., 15-pr.—	} 12007	584
<i>No more to be provided.</i>		
<i>To be returned to store.</i>		

569 1st February, 1904.
[§§ 11992 to 12056.]

(WEEDON SECTION.)

11992.—Tools, armourers—

Rod, cleaning cylinder,
pistol, Webley, Mark

I.	C	Steel; for use with brass wire.
----	----	----	----	---	---------------------------------

A pattern of the above-mentioned rod has been sealed to govern manufacture. 16th Oct. 1903.

The rod is for the use of armourers in cleaning, with the aid of brass wire, cylinders of Webley pistols that are rusty or leaded. The rod is made of steel, one end having two eyes placed at right angles to each other for carrying the wire, the other end being squared to fit the armourers brace.

The brass wire for use with this rod is that mentioned in § 11079—"Wire, brass, No. 26, W.G., hard, 3-inch lengths."

75

3

823

(WOOLWICH SECTION, No. 1.)

11993.—Drum, silent, Mark III. |

A pattern of the above-mentioned drum has been sealed to govern future manufacture, to replace the "Drum, silent, Azemar" (§ 655), from which it differs in the following particulars:—

10th Oct. 1903.

7101

M

4204

The Mark III. drum can be used either with or without a side drum, and consists of a low cylinder of wood painted black on the outside, from which a segment has been cut off, the chord of which is 6 inches in length; it is fitted with a wood bottom, is stuffed with flock and covered with a vellum head which is bound with red gimp secured by brass headed nails.

(WOOLWICH SECTION, No. 2.)

11994.—Rest, bicycle, tent .. | Wood, to hold six bicycles.
Painting.

In future, the "Rest, bicycle" (§ 11664), will be issued painted to preserve the wood. Stands already issued should be painted locally.

27th Nov. 1903.

57

Gen. No.

4801

(81)

A

570

(WOOLWICH SECTION, No. 4.)

11995.— Cart, small arm ammunition,
Mark II.**

Loading bar brackets to be accurately fitted.

19th Jan. 1904.

57

Gen. No.

5067

With reference to § 11953 :—As small arm ammunition carts may vary slightly in interior dimensions, it will be necessary to ensure that the fittings for securing the two loading bars for the 16 "Boxes, S.A.A., 1,000 rounds in chargers," should be accurately placed in the carts. To ensure this, eight empty "Boxes, S.A.A., 1,000 rounds in chargers" will be issued to officers concerned on demand, to be used as a guide for the exact positions for the loading bars.

Should it be found in packing full loads that there is not quite sufficient room, the loading bars need not be placed in position until it is found necessary, owing to the load having been reduced.

(WOOLWICH SECTIONS, Nos. 4, 13, AND 15.)

11996.—Wagons :—

General service—

Marks III. to VIII.*

Heavy spring.

Converted surgery
spring.

Equirotal.

Ammunition and store,
R.A.—

With pole, Marks II.*
to IV.

With shafts, Mark II.

Store, R.A., Marks I. & II.

Forge, R.A., Marks I. to
III.

Artillery, Marks I. to II.

Platform, R.B.L., 40-pr.
battery.

No more bale hoops to be provided.

30th Oct. 1903.

40116

7790

No more bale hoops for wagons of the above-mentioned description will be provided ; they will continue to be used, and demanded, until the existing stock is used up, when they will be regarded as obsolete.

571

(WOOLWICH SECTION, No. 4.)

11997.—Wagon, small arm ammunition,

Mark I.*

Steel, with seat.

Alteration to Mark I. wagons to carry small arm ammunition in chargers.

With reference to § 11953 :—The alterations therein described will also be carried out to small arm ammunition wagons, § 4981, to render them suitable for use in carrying ammunition in boxes with or without chargers.

1st Jan. 1904.

57

Gen. No.

4358

The methods of carrying the boxes will be the same as for the small arm ammunition cart.

This service will be carried out locally, in accordance with the instructions detailed in § 11953, for which purpose instructional print R.C.D. 1107 and the undermentioned stores will be supplied to officers concerned on demand.

When altered the wagons will be known as "Mark I.," the star being added to the numeral on the distinguishing plate as laid down in § 11205.

Stores required per wagon.

(Woolwich Section, No. 4.)

	No.
Bars, loading, complete, with chain and staple.	2
Brackets, supporting, bar, loading	6
Cleats, ash, $1\frac{1}{2}$ inches by 1 inch by $9\frac{1}{2}$ inches	12
Fillet, ash, 1 inch by $\frac{1}{2}$ inch by $27\frac{1}{2}$ inches	1
Plates, staple, connected with chain	2
Turnbuckles, hasps, and rivets	2

(Woolwich Section, No. 10.)

Screws, iron, flat head—

$1\frac{3}{4}$ -inch, gauge No. 14	24
1-inch, gauge No. 12	28
$\frac{3}{4}$ -inch, gauge No. 10	16

(WOOLWICH SECTION, No. 5.)

11998.—Clipper, horse, F.S., Mark I. | With leather cap.

A pattern of the above-mentioned article has been sealed to govern supplies for field service, and for general use in South Africa.

11th June 1903.

57

Cape

1086

The clipper consists of two steel plates, held in their places by bolts and nuts with washers, and two iron levers with wood handles.

It is similar to the clippers in general use, except as regards the teeth of the top plate, which are much coarser than those of the bottom plate.

(81)

A 2

11999.—Harness and saddlery—

Collar, head, stable,

Mark I. With brow band.

Adjustment locally.

5th Jan. 1904.

54

A.S.C.

2935

Stable head collars (§ 9183) may be altered by regimental artificers to fit small cobs when necessary. This may be done by stitching if rivets are not available.

12000.—Harness, breast, pole draught, R.A.—

Breeching, Mark I. .. With two removable tugs.

Collar, breast, Mark I... With chains and tugs for traces.

Neckpiece, pole bar, Mark I. In two parts, with releasable attachment ends.

Straps, hip, long, wheel, pair, Mark I. .. With two tugs.

Strap, loin, lead, Mark I... .. With tug.

Strap, neck, Mark I. .. Breast collar, lined with felt.

Trace, wire, long, Mark I... .. Wheel; with releasable attachment ends, and swivel centre (2 to a pair).

Trace, wire, short, Mark I... .. For converting wheel into lead; with double link for rapid release attachment (2 to a pair).

10th Aug 1903.

10th Oct. 1903.

54

Artillery

1148

10th Jan. 1904.

10th Jan. 1904.

54

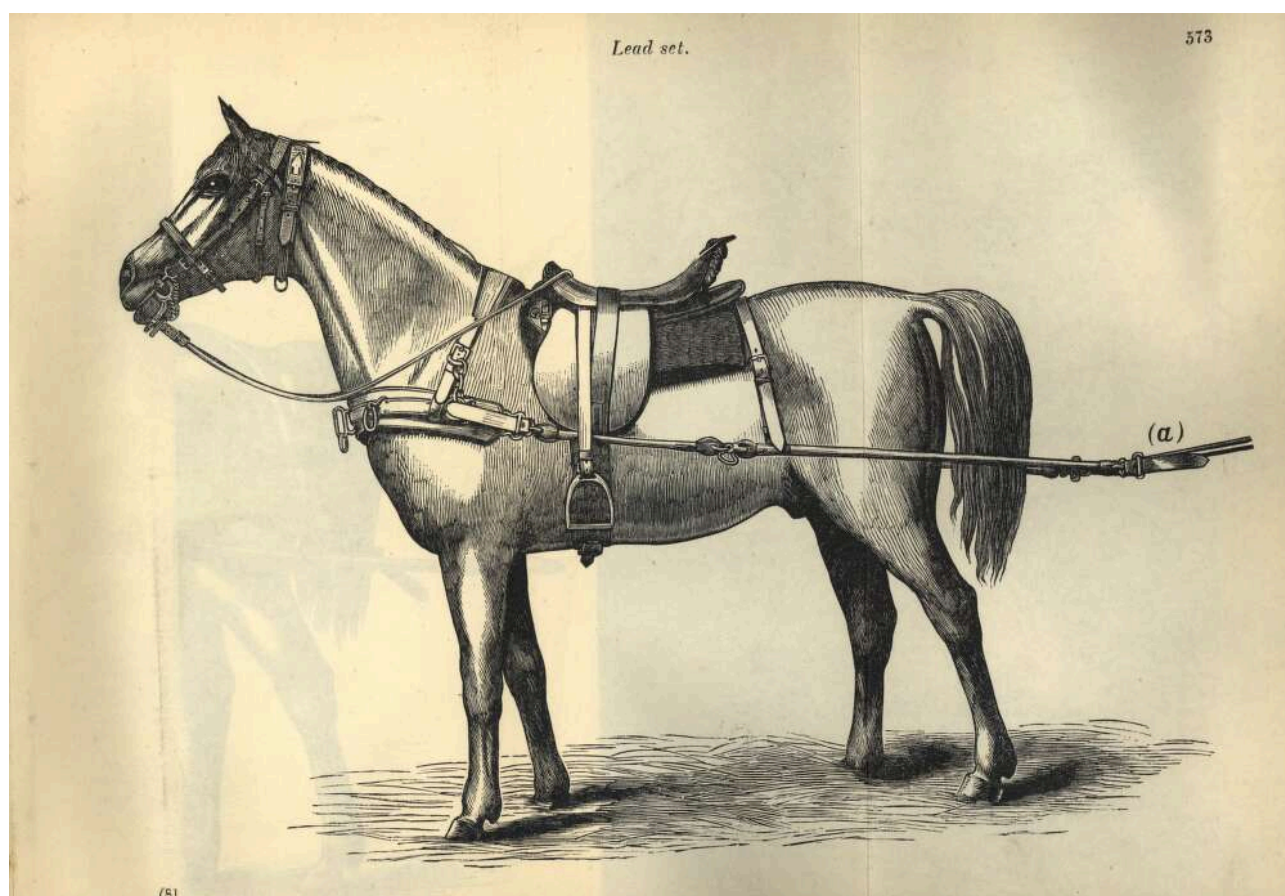
Artillery

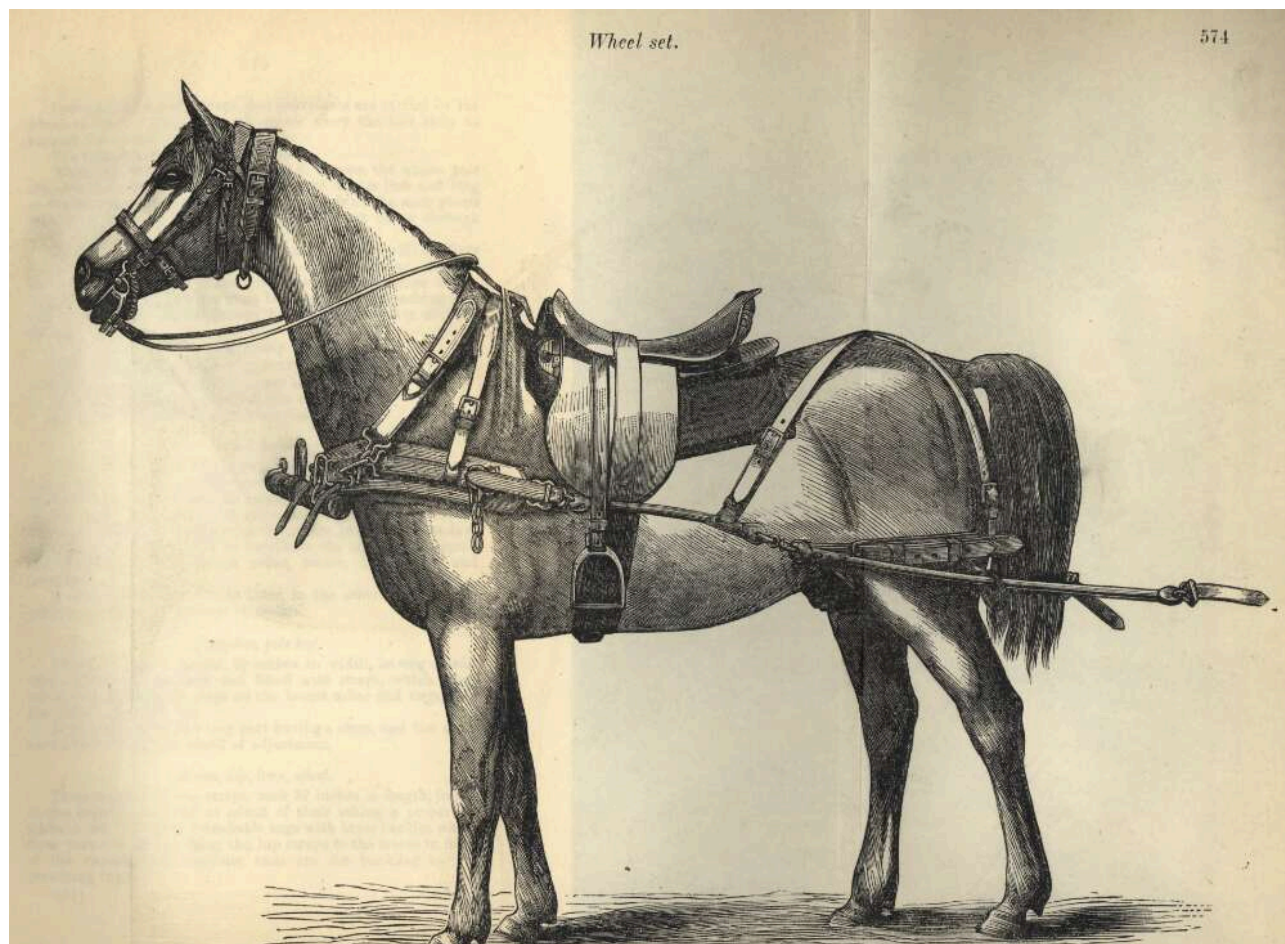
1559

Patterns of the above-mentioned articles (*see* accompanying drawings, pp. 573, 574), have been sealed to govern future manufacture.

With this pattern harness, breast collars take the place of neck collars and hames. The pole bar is used to stop the limber as well as to support the pole. Pole straps are not employed.

Poles and pole bars of special pattern, § 12004, are used with this harness.





Breechings, long hip straps, and neckpieces are carried by the wheelers only. The lead and centre carry the loin strap to support the traces.

The traces are without belly bands.

When this harness is used with G.S. wagons, the wagon pole chains will be used in connection with the double link and ring on the centre of the breast collars. The ends of the neck pieces should be attached to the rings on the breast collar through which they pass.

If, in an emergency, this harness has to be used with artillery limbers having the present pattern pole and pole bar, the pole straps will be attached to the double link on the centre of the breast collar. The pole bar must be supported by attaching it to the rings on the breast collars by a strap or other suitable means.

Breeching.

This differs from Mark III. (§ 9652) in having straps $1\frac{3}{4}$ inches in width at each end to attach to the trace links.

It is without curved links and loin strap.

Brass buckles instead of iron are used.

Collar, breast.

This is of folded leather, having a lay down the centre ; each end is fitted with a leather short piece, a ring, four links of chain, and a releasable link for engaging in trace bent link.

Two links, fitted with a $2\frac{3}{8}$ -inch steel ring, are secured under the lay, each about 7 inches from the centre, to retain the ends of neck piece in position, and to distribute the strain of stopping the vehicle over the breast collar, traces, hip straps, and breeching.

A double link and ring is fitted in the centre, for use with vehicles requiring pole straps or chains.

Neckpiece, pole bar.

This is of folded leather, $2\frac{1}{4}$ inches in width, having releasable attachments at each end fitted with straps, which when worn pass through the rings on the breast collar and engage in the links on the pole bar.

It is in two parts, the long part having a strap, and the short part a brass buckle to admit of adjustment.

Straps, hip, long, wheel.

These consist of two straps, each 57 inches in length, joined in the centre by a rivet to admit of their taking a proper set when in use. The two detachable tugs with brass buckles which form part are for attaching the hip straps to the traces in front of the swivels ; the opposite ends are for buckling to the breeching tugs.

576

Strap, loin, lead.

This is 56 inches in length by $1\frac{1}{4}$ inches in width, having a loop at one end and a tug at the other to attach to the traces. The tug is identical with that on the long hip straps.

Strap, neck.

This is for supporting the breast collar. It is $38\frac{1}{4}$ inches in length by $1\frac{1}{2}$ inches in width, having ends $1\frac{1}{2}$ inches in width punched for buckling to breast collar. It is lined with leather and felt.

Trace, wire, long.

This is 5 feet 6 inches in length over all. It is of 1-inch steel wire rope galvanized, covered with thin leather, and fitted with two leather loops, one for the hip strap and one for the loin strap. A releasable attachment is fitted at each end, and a steel swivel, with shackle for breeching strap in the centre.

This is 7 inches shorter than the Mark II. $2\frac{3}{4}$ -inch rope trace (§ 9652).

Trace, wire, short.

This is 3 feet 3 inches in length over all. It is of steel wire, as described above, covered with thin leather, and fitted at one end with a steel hook, and at the other with a steel double link. This trace is for converting wheel to lead, and is only shown in part in the illustrations at (a).

LIST of a double set of "Harness, breast, pole draught, R.A.," for horse and field artillery.

Articles.	Number per set.		Remarks.
	Near.	Off.	
(Woolwich Section, No. 5.)			
Harness, breast, pole draught, R.A.—			
Breechings	1	1	Wheel only.
Collars, breast	1	1	

577

Articles.	Number per set.		Remarks.
	Near.	Off.	
Harness, breast, pole draught, R.A. (<i>continued</i>)—			
Neckpiece pole-bar	1	1	Wheel only.
Straps, hip, long, wheel pair	1	1	Wheel only.
Straps, loin, lead	1	1	Lead and centre only.
Straps, neck	1	1	
Traces, wire, long .. pair	1	1	
Traces, wire, short .. pair	1	1	Lead and centre only.
Harness, pole draught, R.A.—			
Leggings, drivers	1	..	
Harness, general service—			
Bits, portmouth, reversible ..	1	1	L. or M. size.
Pads, collar, zinc	1	1	Wheel only. L. size.
Straps, collar, pad .. pair	1	1	Wheel only.
Whips, drivers.. ..	1	..	
(Woolwich Section, No. 6.)			
Saddlery, universal—			
Blanket, saddle	1	1	
Bridle, portmouth	1	1	L. size.
Girths, pattern 1884	1	1	L. or M. size.
Leathers, stirrup	2	2	S. size.
Pannels, numnah, pattern 1902 pair	1	1	These must be worn with pattern 1902 saddle.
Reins, bridoon, and portmouth, Mark I.	1	1	When reins bearing Mark II. are exhausted.
Runners, stirrup leather ..	2	2	
Saddles, steel arch, pattern 1902	1	1	L. size. When store of drivers saddles is exhausted.
Stirrups, nickel	2	2	When store of irons, stirrup, G.S., is exhausted.
Straps, baggage	3	3	
Strap, throat	1	1	
Surcingles, leather	1	1	

(81)

A 4

578

Weights.

Wheel set	{ Near	....	....	....	....	55 $\frac{3}{4}$ * lb.
	{ Off	....	....	....	....	52 $\frac{1}{2}$
Lead set	{ Near	....	....	....	....	49 $\frac{1}{2}$ * lb.
	{ Off	....	....	....	....	46 $\frac{1}{4}$

* Including 3 $\frac{1}{4}$ lb. for driver's whip and legging.

(WOOLWICH SECTION, No. 10.)

12001.—Gauge, pressure,
standard, Mark II. .. LDuplex, 6 $\frac{1}{2}$ -inch dial,
graduated right and
left to 300 lb. per
square inch; with stop
cock, leather washer,
union, connecting
nozzle, and adapter.

Adapter Mark I. .. L

Phosphor bronze; for
fixing Mark II.
standard gauge on
Pumps, pressure, Mark
II., or special, Mark
III.

12th Oct. 1903.

7901

933

Addition of adapter.

A pattern of the above-mentioned adapter has been approved to govern manufacture for use in fixing the "Gauge, pressure, standard, Mark II." (§ 11503), on "Pumps, pressure, Mark II.," or "special, Mark III." (§ 10003).

The details appended to nomenclature of the Mark II. standard gauge have accordingly been amended as shown above.

12002.—Nails, wire, iron:—

Grooved—

6-inch	..	..	..
5 "	..	..	..
4 "	..	..	..
3 "	..	..	..
2 $\frac{1}{2}$ "	..	..	..
2 "	..	..	..
1 $\frac{3}{4}$ "	..	..	..
1 $\frac{1}{2}$ "	..	..	..
1 $\frac{1}{4}$ "	..	..	..
1 "	..	..	..

Gauge—

No. 4 S.W.G.

5 "	..
6 "	..
8 "	..
8 "	..
9 "	..
9 "	..
12 "	..
12 "	..
15 "	..

29th July 1903.

57

Gen. No.

3192

22nd Sept. 1903.

4554

Patterns of the above-mentioned nails, with five grooves, have

been sealed to govern supplies. No more of the round shank variety (as shown on p. 347, Priced Vocabulary of Stores, 1902) will be obtained.

12003.—Target, artillery—

High speed	L	With superstructure and splashers.
---------------	----	---	------------------------------------

Conversion of Nos. 1 and 2 "Portsmouth pilot" pattern targets.

No more "Hong Kong pattern modified" to be provided.

With reference to § 10923:—Targets of the above-mentioned description will supersede the "Portsmouth pilot," patterns Nos. 1 and 2, and the "Hong Kong pattern modified," no more of which will be provided.

24th Nov. 1903.

13th Jan. 1904.

57

Gen. No.

4038

Two, three or four "high speed" targets may be used as required. Each target is practically of the same construction, and interchangeable, the superstructure and splashers being easily removable.

For towing purposes—

No. 1 would be without superstructure or splashers.

No. 2 with superstructure and splashers.

No. 3 with superstructure, but without splashers.

When a fourth target is employed it will be the same as No. 2.

When two targets only are required, Nos. 1 and 2 will be employed.

Targets of the above description will be towed by steam vessels fitted with special winding appliances. Instructions have been issued to all concerned as to the manipulation of the gear, towing wire, and targets.

Existing "Portsmouth pilot" pattern targets, Nos. 1 and 2, will, as far as practicable, be converted in accordance with instructions and drawing M/3987, which have been issued to officers concerned.

(WOOLWICH SECTION, No. 13.)

12004.—Bar, supporting, draught pole, No. 3, Mark I.	L	Wood; for poles No. 17, Marks II.* and III., and No. 18, Marks I.* and II.
Pole, draught, No. 17, Mark III.	L	Wood; length over all 12 feet 4½ inches, with tug and nut; field limbers, except Q.F. 1-pr.
Pole, draught, No. 18, Mark II.	L	Wood; length over all 12 feet 4½ inches, jointed, with tug and nut; spare, for field limbers, except Q.F. 1-pr.

New patterns.

Alteration of existing poles as required.

16th Jan. 1904.
54
Artillery
1896

Drawings of the above-mentioned bar and poles have been approved to govern future manufacture, for use with the new pattern R.A. harness (§ 12000).

The No. 3 bar, and No. 17 Mark III. pole, are to the form and dimensions shown in the accompanying drawing (p. 582). The No. 18 Mark II. pole is similar to the No. 17 Mark III., but jointed.

The existing Nos. 17 and 18 poles will be converted locally, as may be ordered, in accordance with instructions as detailed below, the undermentioned stores being supplied to officers concerned on demand.

On the conversion of existing poles, "Bars supporting draught pole No. 3" should be demanded to replace the No. 2 supporting bars (including spare), and on receipt of the former the latter will be returned to store, together with the loop and chains removed from the poles.

Converted poles will be known as No. 17 Mark II.* and No. 18 Mark I.*, the star being added locally on conversion.

Instructions.

1. Remove the existing loop with chains.
2. Fit the top wrapping plate (a) in the position shown in

581

drawing, and drill the six $\frac{1}{2}$ -inch holes (*b*) through the pole and bottom wrapping plate.

3. Fit the point plate (*c*) with the screw and rivets (*e*) cut from the steel rod supplied.

4. Attach the tug (*d*).

Stores per pole.

(Woolwich Section, No. 7.)

				No.
Wire, ordinary, steel, No. 3 W.G., length of				
10 inches	....	....	lengths	1

(Woolwich Section, No. 10.)

Screws, iron, flat head, 1-inch, gauge No. 12				
(including 2 spare)	....	....	....	14

(Woolwich Section No. 13.)

Poles, draught—

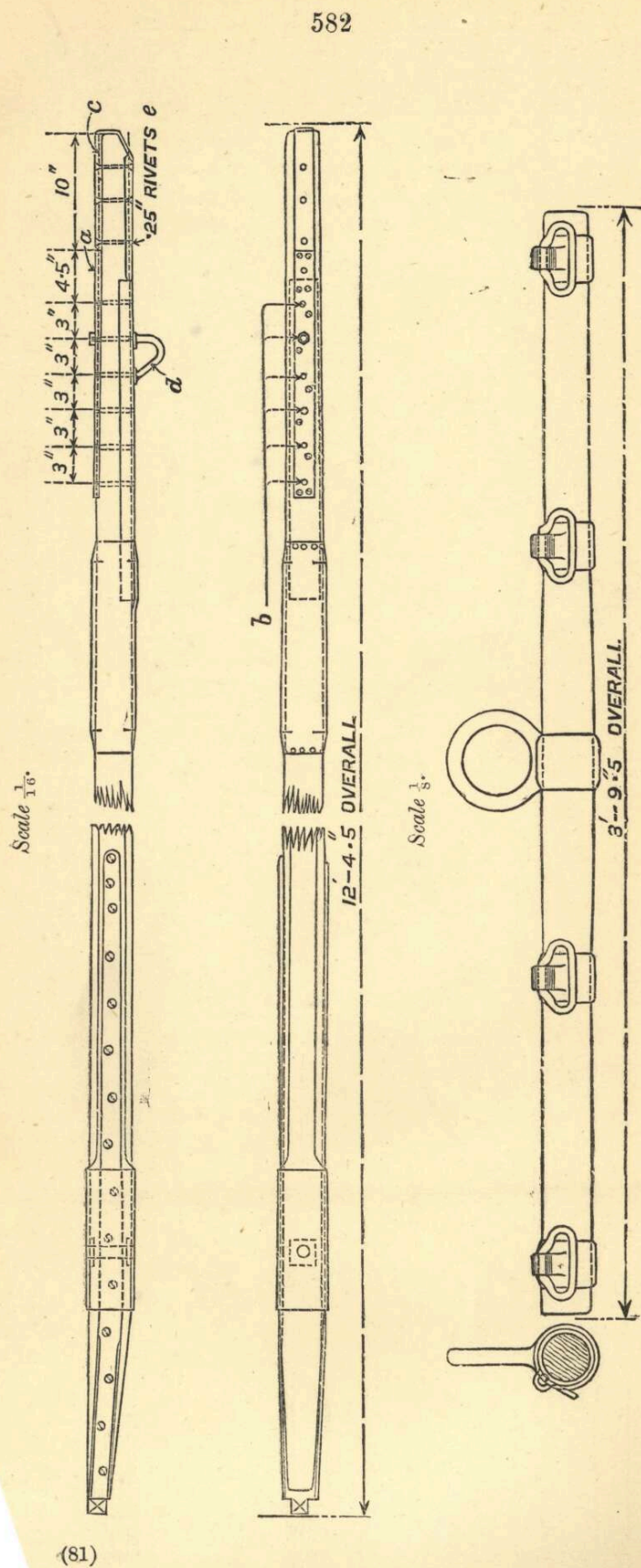
No. 17, Mark II.*—

No. 18, Mark I.*—

Plate, point	....	....	....	....	1
Plate, wrapping, top	....	....	....	....	1
Tug, with nut	....	....	....	....	1

Weights.

		lb.	oz.
Bar supporting draught pole No. 3	....	9	$2\frac{1}{4}$
Pole, draught, No. 17, Mark III.	....	53	0



583

(WOOLWICH SECTIONS, Nos. 13 AND 16.)

12005.—Box, spare springs, keep
pins, washers, or in-
sulators, Mark I. .. L

Tin; springs and keep
pins for B.L. 15 and
12-pr.; vulcanized fibre
washers and insulators
for Q.F. 6-inch B, 4·7-
inch B, 4-inch Mark
III., 12-pr., and Q.F.C.
6-inch.

Ordnance, Q.F.—

6-inch B, and Q.F.C.
6-inch—

Striker, E. and P. C

4·7-inch B, and 4-inch
Mark III.—

Striker, E. and P. C

12-pr.—

Striker, E. and P. C

(1.) Washer at rear end of needle to be
of vulcalized fibre.

(2.) First issue of spare washers to be
made in a tin box.

(3.) Spare insulators for striker to be
issued.

(4.) Nomenclature of spare washers fo
striker.

(1.) With reference to 11217 :—In future manufacture strikers of the above-mentioned description will have a vulcanized fibre washer at the rear end of the needle in place of the leather washer hitherto used.

3rd April 1903.

15th June 1903.

28th Aug. 1903.

23rd Dec. 1903.

(2.) *For Land Service* :—Spare vulcanized fibre washers will be issued (so soon as the existing stock of leather washers has been used up) in the proportion of 5 per gun in R.A. charge and 25 per cent. in Army Ordnance charge. The spare washers will be issued (as a first issue only) in the "Box, spare springs and keep pins, B.L. 15 and 12-pr." (mentioned at p. 416, Priced Vocabulary of Stores, 1902). The box will be retained as a receptacle for the washers held on charge.

73

4

4323

For Naval Service :—These washers will be supplied to ships in boxes.

(3.) Spare insulators for the front end of Part II. needle will also be issued in the proportion of 2 per gun in R.A. charge and 25 per cent. in Army Ordnance charge. The spare insulators

will be retained in the above-mentioned box until required for use.

Consequent on the extended use, the nomenclature of the box has been amended as shown above.

(4.) The nomenclature of the spare washers for use with strikers of the above-mentioned descriptions will now be as follows :—

Ordnance, Q.F. or Q.F.C.—

Washer, sheath, E. & P. striker	C	Soft leather.
" needle, large	C	Hard leather.
" " small	C	Vulcanized fibre.

(WOOLWICH SECTION, No. 13.)

12006.—Wagon, ammunition,
B.L., 12-pr. 6 cwt.,
Mark II. L

New perches to be fitted.

25th Jan. 1904.

54

Artillery

1652

Certain wagons of the above-mentioned description (§ 10480) will be fitted with new perches to R.C.D. design 10168A.

This service will be carried out in accordance with instructions which have been issued by the War Office on the subject.

12007.—Wheel, 2nd class "C,"
No. 34A L

Field; steel nave, 11-inch
pipe, 4 feet 6 inches
diameter, 3-inch tire;
carriages, limbers, and
ammunition wagons,
Q.F. 15-pr.

New pattern.

Wheel, 2nd class "C,"
No. 34 L

Field; steel nave, 11-inch
pipe, 4 feet 6 inches
diameter, 2½-inch tire;
carriages, limbers, and
ammunition wagons,
Q.F. 15-pr.

Nomenclature.

Wheels to be stamped locally.

Wheel, 2nd class "B,"
No. 27* L

24th July 1903.

28th Sept. 1903.

20th Oct. 1903.

71

1

2891

Wheel, steel, Q.F.,
15-pr. L

No more to be provided.

To be returned to store.

8th Jan. 1904.

A drawing (R.C.D. 10229B) of the above-mentioned No. 34A wheel has been approved to govern future manufacture.

3219

585

The wheel, which is generally similar to the wood wheels referred to in § 10726, p 330 (and originally issued with the Q.F. 15-pr. equipment), is 4 feet 6 inches in diameter, with a steel nave, pipe box in two parts and a 3-inch tire $\frac{1}{2}$ inch in thickness. The spokes and felloes are of ash. Existing wood wheels of the type referred to at p. 330, § 10726, will in future be known as "No. 34," and will be so stamped locally. They will be retained for use with Q.F. 15-pr. equipments, but the No. 27* wood wheels, § 11780, and all steel wheels, will be at once replaced by No. 34A wheels in Q.F. 15-pr. equipments.

On receipt of the Nos. 34 or 34A wheels, all No. 27* and steel wheels will be returned to store. The No. 27* wheels will be retained in store for the present, and the steel wheels brought to produce locally.

Average weight of No. 34A wheel—1 cwt. 2 qr. 23 lb.

(WOOLWICH SECTION, No. 14.)

12008.—Carriages, garrison, B.L.
5-inch, Vavasseur,
Marks I., II. and III. L
Electric firing.

With reference to §§ 10606, 11509 :—In future, carriages of the above-mentioned description will be provided with a battery box and two Le Clanché, A, Mark III., cells for electric firing (as for B.L. 4-inch and 6-inch carriages, §§ 11612, 11903), instead of the "Battery and key, test and firing," with tray, as hitherto.

In the case of carriages already provided with trays, they should be retained, and local arrangement made to secure the two-cell battery box to them.

9th Dec. 1903.

29th Dec. 1903.

57

Edinburgh

4042

12009.—Carriages, travelling,
Q.F.—
4·7-inch, Mark I. .. L
4·7-inch, converted,
Mark I. L

Alterations to sight bar of sighting gear.

The sight bar of carriages of the above-mentioned description (§ 10938) will, in future manufacture, have the collar and nut on the pivot, made to a thickness of $\frac{3}{16}$ and $\frac{7}{16}$ of an inch respectively, to admit of a split key (with keep chain and screwed loop) being fitted to the screwed portion of the pivot, so as to prevent the nut working loose when travelling.

3rd Feb. 1903.

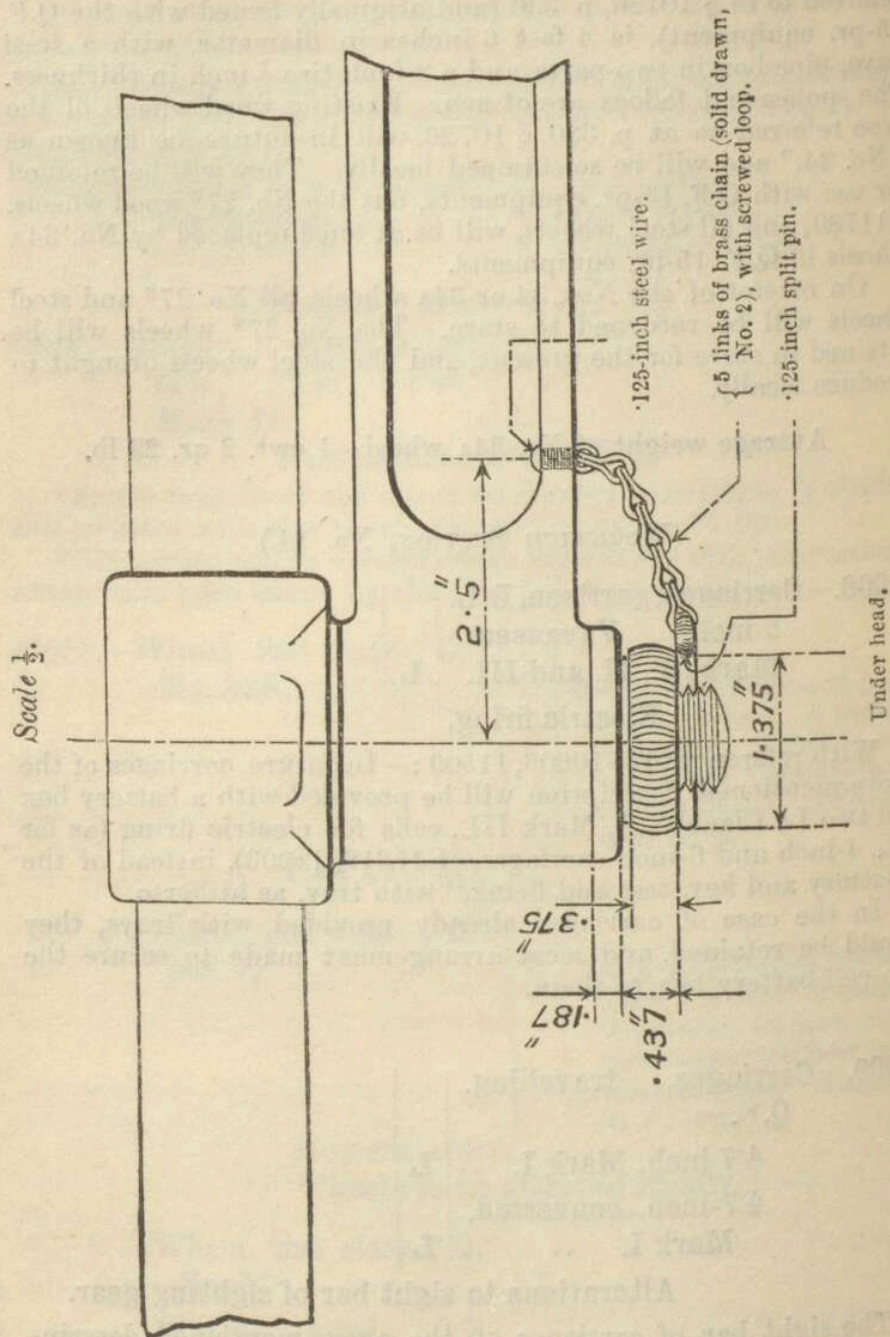
27th Mar. 1903.

57

Colchester

5285

586



587

Existing carriages will be altered locally, in accordance with the accompanying drawing (p. 586), for which purpose the under-mentioned stores will be supplied to officers concerned on demand.

Stores per carriage.

Key, split, round loop, $\frac{1}{8}$ -inch by $1\frac{3}{8}$ -inch—with	No.
chain and screwed loop	1

12010.—Pedestals, carriage—

No. 10, Mark I.	..	L	Steel; without holdfast, with 3 raising screws, ball ring, lower bush with anti-friction stud, clamping screw, plug hand hole with 2 screws, oil plug with leather washer, and 2 preserving screws for lifting eyes; B.L. 6-inch C.P. Mark IIIa.
-----------------	----	---	--

No. 11, Mark I.	..	L	Steel; without holdfast, with 3 raising screws, clamping screw, and 2 preserving screws for lifting eyes; B.L. 6-inch C.P. Mark IIIb.
-----------------	----	---	---

Nomenclature.

With reference to §§ 10933, 10934 :—The details appended to the nomenclature of the Nos. 10 and 11 carriage pedestals have been amended as shown above.

25th April 1900.

73

4

2977

(WOOLWICH SECTION, No. 15.)

12011.—Carriage, travelling,
Q.F., 4·7-inch, con-
verted, special, Mark

I.	L	Converted, siege, B.L. 6-inch 30-cwt. howitzer; with leather tool box.
----------	----	---	--

Addition of leather tool box.

Carriages of the above-mentioned description (§ 10823) in movable armaments, will be provided with a leather tool box for carrying the hammer, pincers, McMahon spanner, and brush breech screw.

The tool box will be fitted locally to existing carriages, in accordance with instructions which have been issued from the War Office on the subject.

10th Dec. 1903.

57

Hong Kong

869

12012.—Guns, Nordenfelt, 1-inch—

2-barrel.

4-barrel.

Obsolete.

22nd Oct. 1903.

57

24

4796

The above-mentioned guns, §§ 3935, 4921, together with all stores special thereto, being no longer required in the naval service have been withdrawn, and are hereby declared obsolete.

(WOOLWICH SECTION, No. 16.)

12013.—Rifle, aiming, 1-inch,
Elswick, B:—

Frame, adjusting, rear—

B.L.—

9.2-inch—

Marks III. to VII.

guns N

Marks VIII. and

IX. guns C

Marks X. and X.v

guns C

7.5-inch N

6-inch, Marks VII.

and VII.v guns .. C

B.L.C., 5-inch N

Q.F.—

6-inch and 6-inch B

guns N

Also Q.F.C. 6-inch.

4.7-inch, 4.7-inch A

and B guns .. C

Also 4-inch, Mark III.

12-pr. guns C

Mark I—

Ring, breech C

Mark II.—

Ring, breech L

Indicator rings or lines engraved, and directions stamped, on breech rings and rear adjusting frames to facilitate assembling the aiming rifle in gun.

§ 11789 cancelled.

With reference to §§ 11179, 11434, 11619, 11620, 11789:—In

11th May 1903.

29th June 1903.

18th Aug. 1903.

27th Aug 1903.

73

12

1381

24th Aug. 1903.

1399

future manufacture the above-mentioned rear adjusting frames and breech rings will be engraved with indicator rings or lines and directions for inserting and locking the parts when assembling the aiming rifle in the gun. The word "TOP" will also be stamped on the upper rear face of the rear adjusting frames so as to be readily seen when the frames are in position in the gun.

Existing breech rings and adjusting frames of the above-mentioned descriptions will be altered as described above, in accordance with instructional print R.G.F./10981/30, as follows:—

Land service.—Locally, by Army Ordnance Department.

Naval service.—Locally, at depôts, and on board H.M. ships by ships artificers, as already arranged on Admiralty circular letters G 12751/02, dated 27th February, 1903, and G 3459/03, dated 8th June, 1903. Instructional prints will be supplied on demand.

Rear adjusting frames for Q.F. 4·7-inch, 4·7-inch A and B, and 12-pr. guns respectively, which have had the stamping altered as described in § 11789 will be modified as described above.

§ 11789 is hereby cancelled.

(WOOLWICH SECTIONS NOS. 16 AND 23.)

12014.—Rifles, aiming, 1-inch,

Morris, Q.F.—

6-inch, 6-inch B, and

Q.F.C. 6-inch .. C

4·7-inch, 4·7-inch A

and B C

To be used for electric firing only.

Portion of § 11917 cancelled.

With reference to §§ 6883, 7537, 9227:—In future, 1-inch electric cartridges only will be fired from aiming rifles of the above-mentioned description, as there is a liability of the cap of the 1-inch percussion cartridge (§ 9057) to be blown back and jam the striker of the gun when firing by percussion.

Consequent on the above decision, that portion of § 11917 referring to 1-inch Morris Q.F. aiming rifles is hereby cancelled.

Officers concerned will put forward demands for "Cartridges, aiming rifle, 1-inch, electric," to replace the 1-inch percussion cartridges, and on receipt of the former will return the latter to store.

2nd Jan. 1904.

73

4

4547

590

(WOOLWICH SECTION, No. 16.)

12015.—Sights, Q.F., fore, 12½-pr.,
Mark I., and Norden-
felt, L.S. guns, Mark I. | L | Steel.

Extended use.

Nomenclature.

1st May 1902.

73

4

4031

With reference to § 6775 :—Consequent upon the foresight for Nordenfelt 6-pr. Mark III., and 3-pr. guns, being interchangeable, and its use having been extended to Q.F. 12½-pr. guns (§ 11465), the nomenclature has been amended as shown above.

(WOOLWICH SECTION, No. 17.)

12016.—Ordnance—

Hook, supporting,
cable | C |

Addition of spring washer and modified
securing screw.

23rd July 1903.

57

Gen. No.

4415

8th Sept. 1903.

4533

With reference to § 11430 :—In order to prevent the above-mentioned hook from turning and so releasing the cable when the breech mechanism is worked, a spring washer will in future be placed under the hook, the plain portion under the head of the securing screw being lengthened accordingly.

Existing guns (including spare fittings) will have the spring washer and modified securing screw fitted in accordance with the accompanying drawing (p. 591), as follows :—

Land service.—Locally, by Army Ordnance Department.

Naval service.—Locally, at depôts, and on board H.M. ships by ships artificers, in accordance with Admiralty instructions.

NOTE.—The shoulder on the securing screw at A must engage with the bottom of the recess for its reception when screwed tightly down, the seating for the spring washer at B being relieved for this purpose if necessary.

*Stores per carrier, carrier ring, breech ring, or breech
mechanism frame.*

	No.
Screw, securing—steel	1
Washer, spring—steel	1

591

Consequent on the foregoing, the details appended to the nomenclature of the hook have been amended as shown below—

Ordnance—

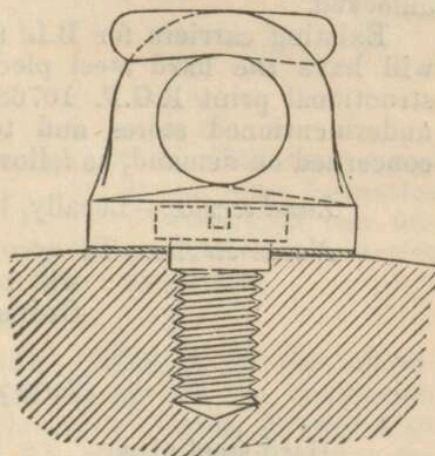
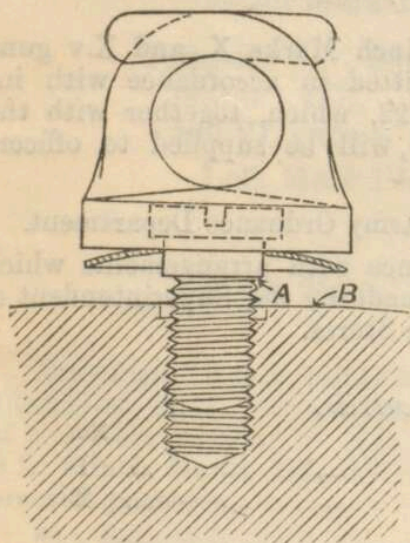
Hook, supporting cable,
Mark I.

C

Bull metal, with securing screw and spring washer; B.L. 12-inch Mark IX., 9.2-inch Marks X. and X.v, 7.5-inch, 6-inch Marks VII. to X.; B.L.C. 6 and 5-inch; Q.F. 6-inch, 6-inch B, 4.7-inch B, and 4-inch Mark III., 12-pr.; Q.F.C. 6 and 4-inch.

Full size.

In place.



12017.—Ordnance, B.L. and
B.L.C.—

Toe piece, locks E.
and P., "E" and
"F."

C

Steel, in 2 parts, with
fixing screw.

Modified toe piece for future manufacture.

With reference to § 11435 :—In future manufacture, toe pieces for use with "E" and "F" locks will be made in two

18th Nov. 1903.

73

3

4625

parts consisting of a hard steel cylinder and securing plate with fixing screw.

The modified toe piece will be substituted in "E" and "F" locks locally, and on board H.M. ships as may be found necessary, in place of existing toe pieces which may have become worn.

12018.—Ordnance, B.L., 9·2-inch,
wire, Marks X. & X.V.—
Carrier C

Hard steel piece added to form a stop for
breech screw when unlocked.

26th Sept. 1903.

73

2

3704

With reference to §§ 11220, 11744 :—In future manufacture of carriers of the above-mentioned description, a hard steel piece will be fitted to the upper side, so as to engage with the boss of the "Link, actuating breech screw," when the breech screw is unlocked.

Existing carriers for B.L. 9·2-inch Marks X. and X.v guns will have the hard steel piece fitted in accordance with instructional print R.G.F. 10768B/122, which, together with the undermentioned stores and tools, will be supplied to officers concerned on demand, as follows :—

Land service.—Locally, by Army Ordnance Department.

Naval service.—In accordance with arrangements which will be made by the Superintendent of Ordnance Stores.

Stores per carrier.

	No.
Hard steel piece	1
Screws, fixing	2

Tools (as required).

Template	1
---------------	---

12019. —Ordnance, B.L., 5-inch,
Marks II. to V.—
Bolts, stop C

To be shortened ·05 inch.

30th Nov. 1903.

2nd Jan. 1904.

57

Chatham

5203

With reference to § 4879 :—In future manufacture "Bolts,

stop," of the above-mentioned description will be made .05 inch shorter at the inner end, so as to prevent the liability of damage in closing the breech.

Existing stop bolts (component and spare) in land service will be altered as described above locally, by Army Ordnance Department artificers.

When carrying out this alteration care must be taken not to remove more than .05 inch from the inner end of the stop bolt.

12020.—Sights, B.L.:—

Fore, B—

Left, Mark II.* ..	L	} Bronze, 6-inch Marks III., IV., and VI. guns.
Right, Mark II.*..	L	

Tangent, 6-inch,
Marks III., IV.,
and VI. guns—

Left, Mark IV.* ..	L	} Steel, with two range strips (one $\frac{1}{2}$ practice powder, and one un- graduated) for practice guns only.
Right, Mark IV.* .	L	

Drawings (R.G.F./11000/10 and 11000/11) of the above-mentioned sights, have been sealed to govern the conversion of a certain number of B.L. 6-inch speed sights, for use with B.L. 6-inch Marks III., IV. and VI. guns in land service for practice purposes.

17th June 1903.

57

Gen. No.

4297A

The foresights are similar to, and interchangeable with, those described for B.L. 6-inch Marks IV. and VI. guns, § 8837.

17th Aug. 1903.

4487

The tangent sights are generally similar to those described for B.L. 6-inch Marks IV. and VI. guns, §§ 8837, 10228, from which they differ in the following particulars:—

The deflection scale is engraved on a scale plate, which is attached, by fixing screws, to the rear face of the crosshead. The sight bar is provided with two range strips, one of which is graduated to 6,000 yards for a $\frac{3}{4}$ practice powder charge, with a muzzle velocity of 1672 ft.-secs., the other range strip being ungraduated.

594

12021.—Sights, R.M.L., tangent:—

A—

12·5-inch	Mark	{ left ..	L
I. gun ..		{ right ..	L

12·5-inch	Mark	{ left ..	L
II. gun ..		{ right ..	L

B—

12·5-inch Mark I. gun .. L

12·5-inch Mark II. gun .. L

To be stamped "Full, P. or C."

4th June 1901.

75

3

17

21st Dec. 1903.

920

With reference to §§ 11060, 11087, 11098:—In future manufacture the stamping on the above-mentioned sights, which are suitable for use with either powder or cordite charges, will include the words "FULL, P. OR C."

Existing sights will be altered locally by having the words "FULL, P. OR C." stamped on the range strip in front of the letters "M.V."

(WOOLWICH SECTION, No. 18.)

12022.—Covers, breech, B.L.,
6-inch, Marks IV.
and VI. guns, Mark I.

L

Waterproof canvas; and
Mark II. drill; also
B.L.C. 6-inch.

Nomenclature.

23rd Nov. 1903.

71

1

3103

The nomenclature and details appended thereto of the "Cover, breech, B.L., 6-inch, Mark VI., gun" (§ 6421, sub-paragraph 3), have been amended as shown above.

12023.—Sponges, B.L., 12-inch—

14 $\frac{3}{4}$ -inch chamber.

Mark III. L

16-inch chamber.

Mark III. L

} Wood stave.

5th Aug. 1903.

57

Malta

2430

Drawings (9873A, 10236A, respectively) of the above-mentioned sponges have been sealed to govern future manufacture for land service.

The heads are made of "Clarkson" material covered with fleecy hosiery.

The wood staves are of ash, each attached to the head by a copper rivet.

595

Dimensions, &c.

	Stave.						Head.		Total length.
	Length, including portion in head.	Fitted in head.		Di- ameter.		Length.	Diameter over fleecy hosiery.		
		Length.	Diameter.	At head.	At end.				
Sponges, B.L., 12- inch—	ft. in.	in.	in.	in.	in.	in.	in.	ft. in.	
14 $\frac{3}{4}$ -inch chamber	10 5 {	0.75 2.5	2.0 1.875	} 2	1.75	11.5	15.25	11 2	
16-inch chamber	10 5 {	0.75 2.5	2.0 1.875	} 2	1.75	11.5	16.5	11 2	

(WOOLWICH SECTION, No. 20.)

12024.—Cylinder, cartridge,
No. 28A, Mark I. .. L Zinc; minimum internal
diameter, 8.65 inches;
length, 27.75 inches.

Conversion of No. 20A cylinders.

Cartridges, R.M.L.—

11-inch, 25 lb. 4 oz.,
cordite, size 10,
Mark I. L
10-inch, 20 lb. 6 oz.
cordite, size 10,
Mark I. L

Packing in No. 28A cylinders.

A drawing (R.L. 12897) of the above-mentioned No. 28A cylinder has been sealed to govern the conversion of a certain number of No. 20A cylinders (§ 9233).

The conversion consists in lengthening the cylinder by cutting it in halves and joining the sections by a zinc band.

9th July 1903.
75
3
796

596

When so converted the cylinders will be known as "No. 28A," and will be used for packing R.M.L. 11 inch, 25 lb. 4 oz., and 10 inch, 20 lb. 6 oz. cordite cartridges, § 11061.

External dimensions.

Length (over all)	....	....	....	....	inches
Diameter (over all)	....	....	....	....	10.5

(WOOLWICH SECTION, No. 21.)

12025.—Guncotton, dry—

Primer, H, Mark I.	..	C	Cylindrical, 1.25 inches diameter by 1.25 inches thick; one taper perforation .254 inch and .23 inch diameters; G.S.; weight, dry, 1 oz.
--------------------	----	---	--

Nomenclature.

8th Sept. 1903.

57
24
4713

The details appended to nomenclature of the above-mentioned primer (§ 9670) have been altered as shown above, the mean diameters of the taper perforation having been added.

(WOOLWICH SECTION, No. 22.)

12026.—Case, transport, detonators, Mark III. C Steel and gunmetal.

7th July 1903.

57
Gen. No.
4295

A pattern (Design R.L. 12279B) of the above-mentioned case, has been sealed to govern future manufacture.

The Mark III. case is similar in construction to the previous pattern, § 11688, but differs in being smaller and lighter, and in having the metal folding handles placed nearer the top.

The case will hold 100 detonators.

On the lid is painted in black letters, "Not to be hoisted by one handle only."

Dimensions, &c.

Length (over all)	....	....	....	....	inches.
Width	..	..	..	..	26.48
Depth	..	..	..	..	9.48
Tonnage....	....	....	....	....	12.262
Weight of case (empty)	...	...	...	...	ton. .04453
Weight of 100 detonators (packed)	....	....	....	....	lb. oz. 63 0
Average total weight (filled)	....	....	....	....	19 4
					82 4

597

12027.—Lanyard, friction tube,
garrison, No. 3 .. L

To be shortened locally as required.

Lanyards of the above-mentioned description may be shortened locally, as required, to suit the particular guns with which they are used.

30th Dec. 1903.

57

Chatham

5238

(WOOLWICH SECTION, No. 22A.)

12028.—Cartridge, B.L., 10-pr.,
1 lb., blank, L.G.,
Mark I. L

Packing.

With reference to § 11068:—Cartridges of the above-mentioned description will be packed as follows:—

30th Dec. 1903.

75

3

925

Package.	Number of cartridges.	How packed.
Cases, powder, M.L.—		
Whole.. ..	102	{ 3 layers of 30—standing. 1 layer of 12—lying.
Half	40	{ 2 layers of 16—standing. 1 layer of 8—lying.
Quarter	18	2 layers of 9—standing.

12029.—Cartridge, Q.F., saluting,
15-pr., filled, Mark I... L

Brass; 1 lb. blank L.G.,
in silk cloth bag, with
jacket, felt wad, and
cap.

Service capped case to be used for saluting
purposes.

Service capped cartridge cases will be used (instead of cases with removable primer) for Q.F. 15-pr. saluting charges.

20th Nov. 1903.

75

12

3976

That portion of § 10726, p. 332, which relates to the primer for the 15-pr. Q.F. saluting cartridge, is hereby cancelled.

598

12030.—Cartridge, Q.F., 12 pr.				
12-cwt., filled, 2 lb.,				
cordite, M.D., size 11—				
With	adapter,			
Mark I.	.. ..	C	} Brass, with lid.	
With	primer,			
Mark I.	.. ..	C		
Bag,	shalloon,			
Mark I.	.. ..	C		
Wad, Mark I.	.. ..	C	Felt and glazed board.	
Cartridge, Q.F. or				
Q.F.C.—				
Igniter, 10 drs., F.G.				
or R.F.G. ² , Mark I.		C	Shalloon.	
Cylinder, cordite,				
M.D.—				
With igniter,				
‘05-inch, Mark				
I.	.. ..	C		
Without igniter,				
‘05-inch, Mark				
I.	.. ..	C		

14th Sept. 1903.

74

6

2301

Patterns of the above-mentioned bag, wad, igniter, and M.D. cordite cylinder, have been approved to govern manufacture, and a drawing (R.L. 12656A) of the filled cartridge has been sealed, showing the method of filling.

The charge is 2 lb. of cordite, M.D., size 11, the base end being enclosed in the shalloon bag.

The shalloon bag is provided with a pocket, which fits into a recess in the cordite, and contains the ‘05-inch M.D. cordite cylinder and the igniter.

The igniter consists of a shalloon bag containing 10 drs. of R.F.G.² or new blank F.G. powder.

The wad, which consists of a disc of felt about ‘45-inch thick, with a glazed board disc stitched to it, is placed on top of the charge.

The empty brass cartridge and white metal lid used, are those described in §§ 8420 and 11315 respectively.

12031.—Cartridges, Q.F., 6-pr. |
and 3-pr., cordite .. | C |

Re-capping, and re-priming with guncotton.

Marking on packages.

All 6-pr. and 3-pr. ammunition, whether service or practice, made up between the dates of 1st June, 1899, and 29th November, 1901, will be re-capped, and, at the same time, re-primed with guncotton.

Such ammunition can be identified by the date stencilled on the box, and by the label inside the box.

The operations will be carried out as follows :—

Naval service.—Under arrangements made by the Superintendent of Ordnance Stores.

Land service.—Locally.

New caps (§ 11524), and guncotton igniters, will be supplied, as required, to Officers concerned, on demand.

The whole of the operations will be carried out under the personal supervision of the Inspecting Ordnance Officer.

Care must be taken that all packages, containing cartridges re-capped and re-primed, are marked showing the station and date of the operations.

The following is a list of a complete set of tools required for re-capping 6-pr. and 3-pr. ammunition.

At stations where ammunition made up between the dates mentioned above is on charge, demands will at once be put forward for such articles as are required to complete the tools already on charge of Inspecting Ordnance Officers, as authorized by War Office circular letter, dated the 30th April, 1903 No. 75/12/2893, and by this paragraph.

Tools, re-forming cartridges, Q F. or Q F.C. :—

	No.
Gauge, chamber, low, 6-pr.	1
Gauge, chamber, low, 3-pr.	1
Gauge, depth of cap	1
Hammer, copper	1
Machine, extracting shell, 6-pr. or 3-pr.	1
Machine, indenting, 6-pr.	1
Machine, indenting, 3-pr.	1
Rod, 17-inch	1
Picker, cartridge	1

8th Nov. 1902.

21st Jan. 1903.

20th March 1903.

21st April 1903.

75

12

2893

11th Sept. 1903.

11th Jan. 1904.

3893

26th Aug. 1903.

57

Gen. No.

3075

Tools, re-forming cartridges, Q.F. or Q.F.C. (*continued*)—

	No.
† Press, screw	*
† Dies, 6-pr.	*
† Dies, 3 pr.	*
‡ Stamp, Arabic numeral (1)	1

Tools, cartridge, Q.F. saluting—

|| Rod, 4-inch (re-capping)	1
-------------------------------	---

Instructions for re-capping and re-priming Q.F. 6-pr. and 3-pr. ammunition.

1. The cartridges will be broken up in accordance with §§ 331-337, "Regulations for care and preservation of War Matériel and for Magazines, 1902." When the cartridge cases are emptied, the letter F on the base, denoting the last filling, is to be obliterated by stamping a bar over it. (This will not be necessary if the cases are to be condemned, *vide* § 11750).

2. The filled shells, containing fuzes, must be placed in boxes, point upwards, covered up, and removed to another building or compartment, to await re-assembling.

3. The cordite is to be extracted from the case, and the gunpowder igniter removed by cutting the silk ties of the igniter with a metal knife or scissors, care being taken not to disturb the silk ties round the cordite bundle. The charge is to be placed in a suitable receptacle, and covered up. This receptacle is not to contain more than 80 charges. When full it will be removed to another building, or compartment, for fitting with guncotton igniter.

4. The guncotton igniter is to be secured to the cordite charge by threading separately two adjacent silk ties (attached to the igniter) through the base of the cordite bundle, as near as possible in the same places as the original ties, by means of a metal needle, then firmly attach each individually to the one opposite it with a reef knot. Care should be taken that the igniter is central.

* As required.

† The screw press and dies for re-sizing the necks of cases should only be demanded when absolutely necessary.

‡ The "stamp Arabic numeral (1)" is required for marking the base of the cartridge, as described in § 11524.

|| The "rod, 4-inch," was rendered obsolete by § 10719, but is now re-introduced for use in re-capping the 6 and 3-pr. cartridges locally, and any such 4-inch rods already at stations will be utilized for this purpose.

5. *Uncapping cases.*—Fill a bucket with water, and cover it with a board having a hole somewhat smaller than the base of the cartridge case. Stand the empty cartridge, from which the cap is to be removed, on its base over the hole, and eject the cap into the bucket by inserting the "Rod, 17-inch," into the cap chamber in the interior of the case and striking it with a hammer.

6. *Re-capping.*—Stand the empty case on its mouth on a plain surface, or rest the interior of the base on a post fixed in a block of wood, and stamp the base with the Arabic numeral (1) as described in § 11524. Insert the new cap by driving it in with the "Rod, 4-inch," and a hammer. Gauge the depth of the cap with the gauge supplied for the purpose. If the cap is not deep enough in the recess strike it another blow, if it is too deep, eject the cap and insert another.

7. *Re-assembling.*—The cartridges are then to be re-assembled, as in §§ 255, 256 and 264—267, "Regulations for care and preservation of War Matériel and for Magazines, 1902."

8. The several operations, viz.:—

Breaking up,
Removing powder igniter,
Re-priming,
Uncapping,
Re-capping,
Re-assembling,

will be carried out in separate rooms.

All cartridges should be carefully examined inside and outside for cracks, especially at the inside of the base. If any cracks are discovered the cases will not be re-filled.

Cartridge cases made prior to 1895 should be dealt with according to instructions laid down in § 11751. Such cases will be brought to produce locally, and new cases should be demanded in their place.

On completion of the operations the Arabic numeral (1) will be added to the labels inside and outside the box, and to the stencilling of the lid, to indicate "re-capped with Mark II. cap." (§ 11524).

A star will also be added to the numeral of the cartridge, on the lid of the box, and on both labels, to distinguish cartridges re-primed with guncotton.

12032.—Cover, cartridge, paper,
B.L., 10-pr., 1 lb.,
blank L

A pattern of the above-mentioned cover has been sealed to govern manufacture.

29th Oct. 1903.

75

8

873

It is made of brown paper and has the nature and numeral of the cartridge with which it is used marked on it.

12033.—Projectiles, Q.F., 12-pr. |

Driving band.

1st April 1903.

46th July 1903.

75

12

1700

In future manufacture projectiles of the above-mentioned description (§§ 11234, 11235, 11028) will be fitted with driving bands to design R.L. 11834B, as shown on the accompanying drawing.

Projectiles thus banded will have an advance of numeral as shown below—

Shell, Q.F.—

Common, pointed, 12-pr., cast
steel, Mark VI.

C

For medium base fuze.

Shrapnel, 12-pr., Mark VIII.

N

Forged steel.

Shot, solid, Q.F., 12-pr., Mark II.

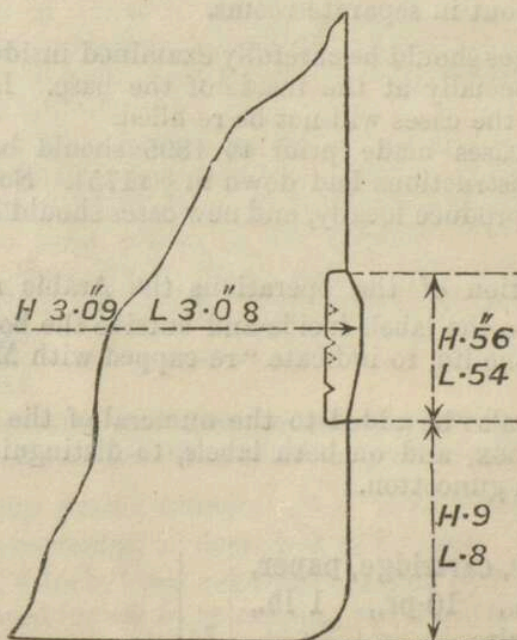
C

Iron, practice.

The groove for driving band of the solid shot is slightly deeper (as in the case of Mark I.) than for the other Q.F. 12-pr. projectiles, and the driving band for solid shot is therefore correspondingly thicker.

Driving band.

Full size.



603

12034.—Tools, re-forming car-
tridges, Q.F. or
Q.F.C.—

Machine, extracting
shell, 2.95-inch,
Mark I. L

A drawing (R.L. 12738 (1)) of the above-mentioned machine, 28th May 1903.
has been sealed to govern manufacture for land service.

The machine, which is chambered to take the Q.F. 2.95-inch
cartridge, is generally similar in construction to the machine for
extracting 6 and 3-pr. shells, described in §§ 9999, 8421.

57

Gen. No.

4197

(WOOLWICH SECTION, No. 24.)

12035.—Projectiles, B.L., 8-inch,
special for Marks VII.
and VII.A guns.

Driving band.

In future manufacture, projectiles of the above-mentioned 28th May 1903.
description (§ 11234) will be fitted with driving bands to design 9th July 1903.
R.L. 12197, as shown on the accompanying drawing (p. 604).

Projectiles thus banded will have an advance of numeral as

73

3

4531

Shell, B.L.—

Armour - piercing, 8-inch,
special for Marks VII. and
VII.A guns, Mark III.

L

Steel ; for large base
fuze.

Common, lyddite, 8-inch,
special for Marks VII. and
VII.A guns, Mark III.

L

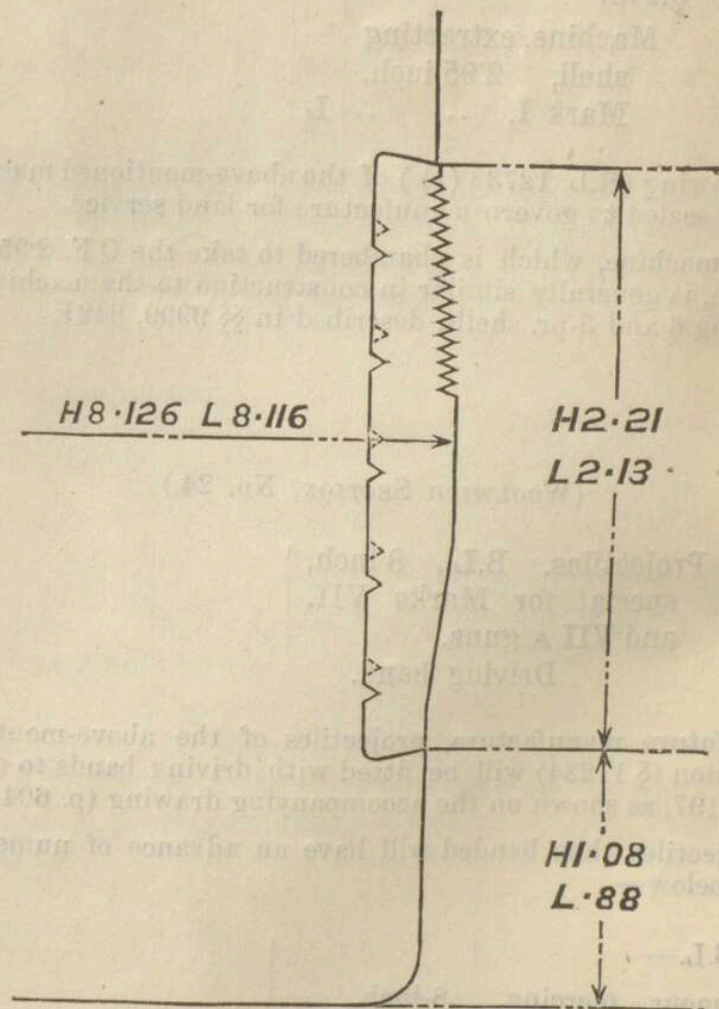
Forged steel.

(81)

B

604

Driving Band.
Full size.



12036.—Projectiles, Q.F., 4·7-inch. 1
Driving band.

6th Jan. 1903.

73

4

3085

2nd Sept. 1903.

4483

In future manufacture, projectiles of the above-mentioned description (§§ 11234, 11193, 11194) will be fitted with a driving band to design R.L. 10894b, as shown on the accompanying drawing, p. 605.

New projectiles thus banded will have an advance of numeral as shown below, with the exception of the "Shell, Q.F., armour-piercing, 4·7-inch, Mark V." (§ 11234), the numeral of which will remain unaltered, no issues to the previous design having been made.

Any existing projectiles re-banded with this design of driving band, will have a (*) added to their numerals.

605

Numerals advanced.

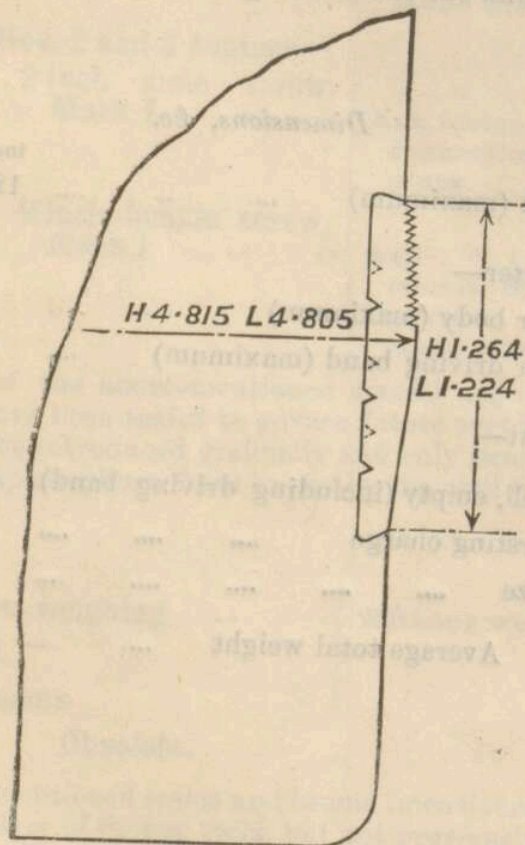
Shell, Q.F.—

Common, pointed, 4·7-inch, cast steel, Mark VIII.	N	For medium base fuze.
Common, lyddite, 4·7-inch, Mark IV.	C	Forged steel.
Shot, solid, Q.F., 4·7-inch, Mark II.	C	Iron, practice.

NOTE.—No projectiles (either service or practice) with the old pattern band, should be fired from Q.F. 4·7-inch Mark V. guns.

Driving band, R.L. 10894B.

Full size.



(81)

B 2

606

12037.—Shell, Q.F., shrapnel, 4·7-inch, Mark IV. .. C Forged steel.

24th July 1903.

75

12

3794

A drawing (R.L. 12853) has been sealed to govern the manufacture of a certain number of the above-mentioned shell.

The shell differs from the Mark III. (§ 10546) principally in the following particulars:—

- (1.) In the shape of the head and G.S. fuze hole socket.
- (2.) The central tube (which fits into the G.S. fuze hole socket at one end, and is screwed into the steel diaphragm over the bursting chamber at the other) is not fitted for the "Primer shrapnel shell" (§ 4538).
- (3.) The number of bullets is about 580 (35 per lb.).
- (4.) It is fitted with the driving band described in § 12036, and the ribs in the groove are "waved."

Dimensions, &c.

			inches.
Length (maximum)	....	....	12·96
Diameter—			
Over body (maximum)	....	....	4·7
Over driving band (maximum)	....	....	4·815
Weight—			
			lb. oz.
Shell, empty (including driving band)			43 6½
Bursting charge	....	....	0 4½
Fuze	....	....	1 5
Average total weight	....	....	45 0

607

(WOOLWICH SECTION, No. 26.)

12038.—Engines, fire :—

Couplings, instantaneous—

No. 1 engine, Mark I. .. 2½-inch waterway, pairs.

Nos. 2 and 3 engines,
Mark I. 1½-inch waterway, pairs.

Screws, junction—

No. 1 engine—

3½-inch male screw,
Mark I. And instantaneous male
connection for branch
pipes.3½-inch female screw,
Mark I. And instantaneous
female connection for
engines, hydrants, or
stand pipes.

Nos. 2 and 3 engines—

2-inch male screw,
Mark I. And instantaneous male
connection for branch
pipes.2-inch female screw,
Mark I. And instantaneous
female connection for
engines, hydrants, or
stand pipes.

Patterns of the above-mentioned special appurtenances for
fire engines have been sealed to govern future supplies.

They will be introduced gradually and only issued to stations
where the "clip couplings" are in use by the civil fire brigades.

19th Aug. 1902.

57

Gen. No.

8576

12039.—Scales, weighing Without weights.

Diet.

Beams

Obsolete.

The above-mentioned scales and beams (mentioned on p. 1258,
Priced Vocabulary of Stores, 1902, but not previously referred to
in *List of Changes*) are hereby declared obsolete.

"Machines, weighing, 14 lb., with enamelled pan," will be
issued in lieu.

16th Dec. 1902.

57

Gen. No.

4919

608

(WOOLWICH SECTION, No. 27.)

19th Nov. 1903.

5th Dec. 1903.

57

Gen. No.

4495

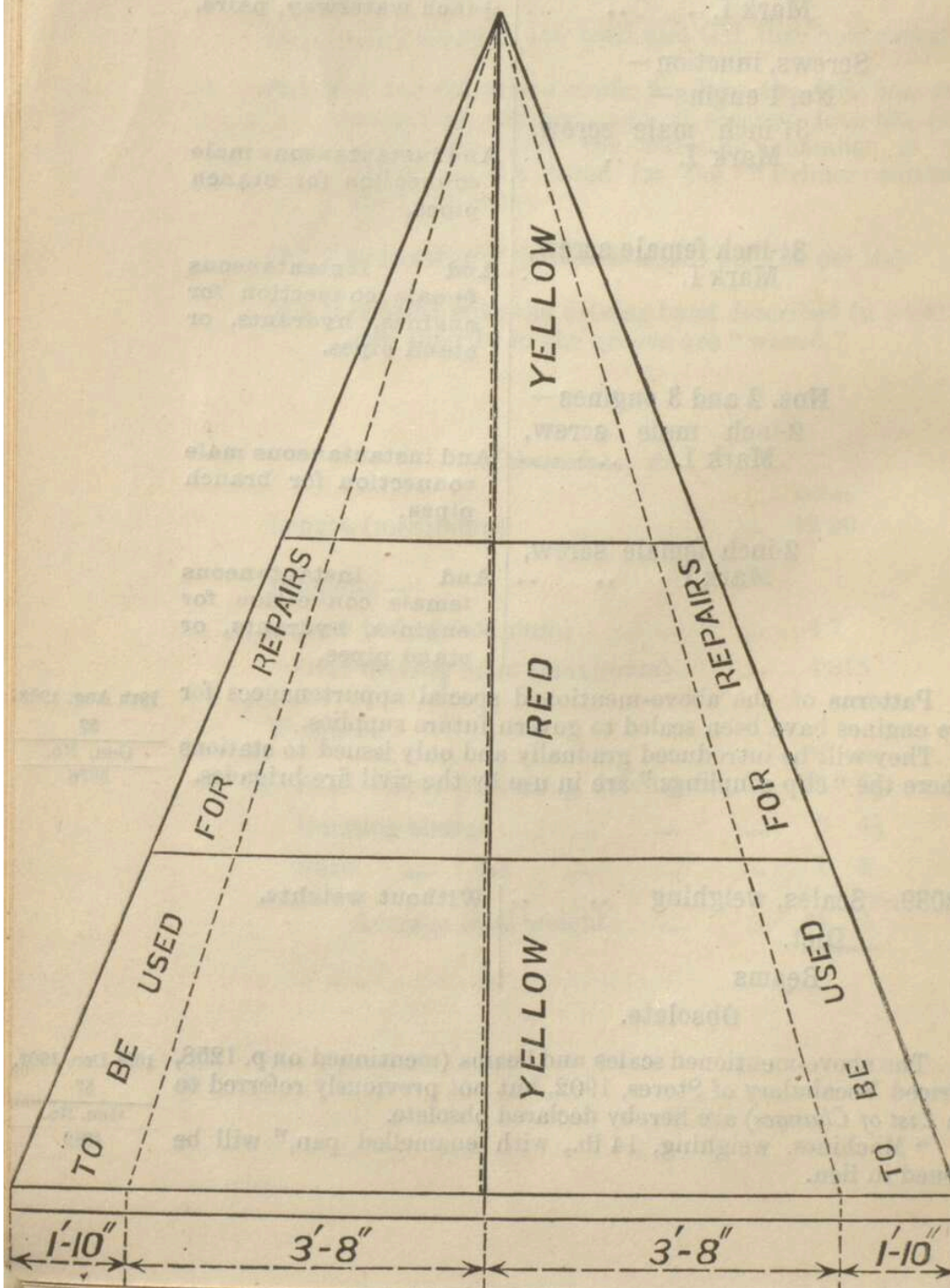
12040.— Flag, signal, pendant,

R.G.A., Mark II. ..

17 feet by 3 feet 6 inches;
4 inches fly.

Alteration of Mark I. flags.

In future manufacture the "Flag, signal, pendant, R.G.A."



609

(§ 11700), will be made to the same dimensions as other code pendants, *i.e.*, 17 feet by 3 feet 6 inches, 4 inches fly, and will be designated Mark II.

Mark I. flags in store and in possession of troops will be reduced in width to 3 feet 6 inches, the alteration being carried out locally in the following manner, two flags being obtained from each :—

Cut through the flag at the dotted lines shown on accompanying drawing (p. 608), then hem each side.

The line in the 15-ft. by 11-ft. pendant will be sufficient for the two smaller converted flags, but the extra pair of "clips" will be demanded from store.

(WOOLWICH SECTION, No. 28.)

12041.—Apparatus, position finding—

Bell, electric alarum,

Mark I. L

For use with horizontal transmitter telephone.

Board, terminal, G,

Mark I. L

For horizontal position-finder telephone leads.

Board, terminal, K,

Mark I. L

For horizontal transmitter telephone leads.

Bracket, horizontal

receiver micro-

phone, Mark I. .. L

Microphone, hori-

zontal receiver,

Mark I. L

Receiver, horizontal

receiver tele-

phone, Mark I. .. L

Switch hook, Mark

I. L

For horizontal receiver telephone receiver.

Telephone, hori-

zontal transmitter,

Mark I. L

With hook.

Patterns of the above-mentioned stores have been sealed to

27th April 1903

29th Dec. 1903.

57

Chatham

5142

govern manufacture. They will take the place of the "Telephone, Ader, small," stores, § 12047, for use with horizontal position-finders.

A detailed description, giving method of installation and use, will be issued direct to officers concerned by the Chief Inspector of Range-finders.

Officers who have horizontal position-finders on charge will put forward demands for one of each of the above-mentioned stores per position-finder (except the Board, terminal, G, of which two will be demanded), and, in addition—

Wires, electric, covered—

C 21	} 10 yards per position-finder.
C 22	

On receipt they will return the "Telephone, Ader, small," stores into store.

12042.—Apparatus, position finding—

Dial, electric, range,

E, Mark I.

L

With one hand; 6,875 yards to a circle.

Nomenclature.

16th Dec. 1903.

57

Gen. No.

4939

In consequence of the difference in the mechanism of Dials, electric, range, "A," Mark III. (with 10 yards to a step), and "A," Mark IV. (with 25 yards to a step), the nomenclature of the "Dial, electric, range, 'A,' Mark IV." (§ 9820), has been altered to read as shown above.

12043.—Lamp, electric, arc, horizontal, 90-cm.

projector, Mark I. .. L

Accessories.

9th Sept. 1903.

24th Nov. 1903.

7901

889

With reference to §§ 8429, 10967 :— In future the accessories for the above-mentioned lamp will be held on charge as separate articles instead of in sets.

A list of accessories is given below.

No more of the accessories shown in *italics* will be provided, and so soon as the existing stock is used up, those patterns will be regarded as obsolete.

611

List of accessories.

Bits, rose —					For positive carbon.
<i>Mark I.</i> ....	....	....	....	L	
<i>Mark II.</i> ....	....	....	....	L	Steel, handled.
<i>Bottles, glass</i> ....	....	....	....	L	<i>Oil, in tin case.</i>
<i>Bottles, tin</i> ....	....	....	....	L	<i>For instrument oil, $\frac{1}{4}$ pint.</i>
* <i>Bottles, tin, oil, $\frac{1}{4}$ pint</i> ....	....	....	....	L	
Brushes, camel hair—					Flat,
$1\frac{1}{4}$ -inch ....	....	....	....	L	
* $1\frac{1}{2}$ -inch ....	....	....	....	L	
* <i>Brush, paint, sash tool, No. 2</i> ....	....	....	....	L	
* <i>Brushes, watchmakers</i> ....	....	....	....	L	
Cases, accessories ....	....	....	....	L	Wood, fitted with partitions and trays ; empty.
Cleaners, contact ....	....	....	....	L	Steel.
Conductors, flexible—					
Negative ....	....	....	....	L	Copper strips.
Positive ....	....	....	....	L	Silk covered.
Drivers, screw—					Steel, handled.
13-mm. { <i>Mark I.</i> ....	....	....	....	L	
<i>Mark II.</i> ....	....	....	....	L	
9-mm. { <i>Mark I.</i> ....	....	....	....	L	
<i>Mark II.</i> ....	....	....	....	L	
7-mm. { <i>Mark I.</i> ....	....	....	....	L	
<i>Mark II.</i> ....	....	....	....	L	
4-mm. ....	....	....	....	L	
3-mm. ....	....	....	....	L	
* <i>Watchmakers—</i>					
$\frac{3}{16}$ -inch ....	....	....	....	L	
$\frac{1}{8}$ -inch ....	....	....	....	L	
Ferrules—					Diameter measured internally.
Brass—					
38-mm. { <i>Mark I.</i> ....	....	....	....	L	
<i>Mark II.</i> ....	....	....	....	L	
33-mm. ....	....	....	....	L	
26.5-mm. { <i>Mark I.</i> ....	....	....	....	L	
<i>Mark II.</i> ....	....	....	....	L	
23-mm. ....	....	....	....	L	
Gunmetal—					
33-mm. ....	....	....	....	L	<i>For positive carbon.</i>
23-mm. ....	....	....	....	L	<i>For negative carbon.</i>
* <i>Files, bastard, hand, safe edge,</i>					
10-inch ....	....	....	....	L	Handled.

*Leather, chamois	....	....	L	
Lugs, gunmetal	....	....	L	<i>Tinned, for lamp terminal.</i>
Lugs, terminal, $\frac{3}{8}$ -inch, Mark I.	....	....	L	For cables, electric, unarmoured, D 17 and 18; and lamps, electric, arc, horizontal.
Nuts	....	....	L	Brass, for repairs (No. per set, 9).
*Pins, adjusting, 4-inch	....	....	L	
Screws	....	....	L	Brass and steel, for repairs (No. per set, 49).
Screws, clamping	....	....	L	For positive and negative carbon holder (No. per set, 2).
Spanners—				
Box—				
Hexagonal—				
Mark I.	....	....	L	Gunmetal, 18-mm., for main terminals.
Mark II.	....	....	L	Steel, handled, for main terminals.
Square, 8-mm.—				
Mark I.	....	....	L	Wood handle, for carbon holder.
Mark II.	....	....	L	Handled, for carbon holder.
Double-ended—				Steel, for nuts.
12-mm. and 14-mm.	....	....	L	
10-mm.	....	....	L	
Forked—				
Small	....	....	L	Gunmetal, for nuts of switch.
Large	....	....	L	Gunmetal, for screw collars of main terminals.
Springs, pawl	....	....	L	Steel, for ratchet wheel.
*Tips, oil	....	....	L	
Tongs—				Steel, for carbons.
Large	....	....	L	
Small	....	....	L	
Washers, insulating	....	....	L	Mica and asbestos, for repairs (No. per set, 42).
Wheels, ratchet	....	....	L	Brass.

NOTE.—Items marked * are existing service stores.

22nd Dec. 1903.

57
Gen. No.
4930

Nomenclature.

1st Dec. 1903.

57
Gen. No.
4858

4th Feb. 1903.

2402

With scale and table of horizontal equivalents; diagonal scale of inches; and scale of yards 6 and 8 inches to a mile.

3-inch and 2-inch scales of chords; scales $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{7}{8}$, and 1 inch to a foot; inches divided into 40, 45, 50, and 60; and $\frac{1}{2}$ and 1 inch diagonal.

‡ Formerly described as "Scale, mathematical, ivory, protracting, 6-inch."

Case, Mark I.	L	Wood.
---------------	------	------	---	-------

* Formerly described as "Scale, No. 3."

Scales, mathematical, boxwood :—

No. 1 A, Mark I.	....	...	L	12 $\frac{3}{8}$ inches long. Inches divided into 10 and 15.
No. 1 B, Mark I.	....	...	L	12 $\frac{3}{8}$ inches long. Inches divided into 20 and 40.
No. 1 C, Mark I.	....	...	L	12 $\frac{3}{8}$ inches long. Inches divided into 25 and 50.
No. 1 D, Mark I.	....	...	L	12 $\frac{3}{8}$ inches long. Inches divided into 30 and 60.
No. 1 E, Mark I.	....	...	L	12 $\frac{3}{8}$ inches long. Inches divided into 35 and 45.
No. 1 A offset, Mark I.	....	...	L	2 inches long. Inches divided into 10 and 15.
No. 1 B offset, Mark I.	....	...	L	2 inches long. Inches divided into 20 and 40.
No. 1 C offset, Mark I.	....	...	L	2 inches long. Inches divided into 25 and 50.
No. 1 D offset, Mark I.	....	...	L	2 inches long. Inches divided into 30 and 60.
No. 1 E offset, Mark I.	....	...	L	2 inches long. Inches divided into 35 and 45.
Set—				
†No. 1, Mark I.	....	....	L	Scales Nos. 1 A, 1 B, 1 C, 1 D, 1 E, and 1 A, 1 B, 1 C, 1 D, 1 E offsets. In case.
Case, Mark I.	....	....	L	Wood.

† Formerly described as "Scale, No. 1."

Scales, mathematical, boxwood :—

No. 7 A, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long. 10 chains to the inch. One edge chains, one edge feet.
No. 7 B, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long. 20 chains to the inch. One edge chains, one edge feet.
No. 7 C, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long. 30 chains to the inch. One edge chains, one edge feet.
No. 7 D, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long. 40 chains to the inch. One edge chains, one edge feet.

615

Scales, mathematical, boxwood
(continued)—

No. 7 E, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long. 50 chains to the inch. One edge chains, one edge feet.
No. 7 F, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long. 60 chains to the inch. One edge chains, one edge feet.
No. 7 A offset, Mark I.	....	....	L	2 inches long. 10 chains to the inch. One edge chains, one edge feet.
No. 7 B offset, Mark I.	....	....	L	2 inches long. 20 chains to the inch. One edge chains, one edge feet.
No. 7 C offset, Mark I.	....	....	L	2 inches long. 30 chains to the inch. One edge chains, one edge feet.
No. 7 D offset, Mark I.	....	....	L	2 inches long. 40 chains to the inch. One edge chains, one edge feet.
No. 7 E offset, Mark I.	....	....	L	2 inches long. 50 chains to the inch. One edge chains, one edge feet.
No. 7 F offset, Mark I.	....	....	L	2 inches long. 60 chains to the inch. One edge chains, one edge feet.
Set—				
+No. 7, Mark I.	....	....	L	Scales Nos. 7 A, 7 B, 7 C, 7 D, 7 E, 7 F, and 7 A, 7 B, 7 C, 7 D, 7 E, 7 F offsets. In case.
Case, Mark I.	....	....	L	Wood.

+ Formerly described as "Scale, No. 7."

Scales, mathematical, boxwood—

No. 2, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long, inches divided into 5, 10, 15, 20, 25, 30, 40, 45, 50, 60.
No. 4 A, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long, 10 feet and 15 feet to the inch.
No. 4 B, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long, 5 feet and 10 feet to the inch.
No. 5, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$ and 1 inch to the foot.

Scales, mathematical, boxwood
(continued)—

No. 6, Mark I.	....	....	L	12 $\frac{1}{2}$ inches long, $\frac{1}{8}$ inch to 3 inches to the foot, and inches divided into 10, 25, 30, 45.
No. 8 A, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long, 1 inch to the mile. One edge chains, one edge furlongs.
No. 8 B, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long, 6 inches to the mile. One edge chains, one edge yards.
No. 8 C, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long, 12 inches to the mile. One edge chains, one edge yards.
No. 8 D, Mark I.	....	....	L	12 $\frac{7}{8}$ inches long, $\frac{1}{2500}$, one edge chains, one edge feet.
No. 8 E, Mark I.	....	....	L	12 $\frac{7}{8}$ inches long, $\frac{1}{500}$, one edge chains, one edge feet.
No. 8 F, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long, 5 feet to the mile, one edge chains, one edge feet.
No. 8 G, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long, 10 feet to the mile, one edge chains, one edge feet.
No. 9, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ inch diagonal, and 2, 4, 6 inches to the mile in yards and paces.
Set—				
†No. 10, Mark I.	....	....	L	Scales Nos. 2, 4 A, 4 B, 5, 6, 8 A, 8 B, 8 C, 8 D, 8 E, 8 F, 8 G, 9. In case.
Case, Mark I.	....	....	L	Wood.
† Formerly described as "Set of 13."				

Scales, mathematical, boxwood—

No. 5 A, Mark I.	....	....	L	12 $\frac{3}{8}$ inches long. $\frac{1}{16}$ and $\frac{1}{8}$ inch to the foot.
No. 5 B, Mark I.	....	....	L	6 $\frac{3}{8}$ inches long. $\frac{1}{16}$ and $\frac{1}{8}$ inch to the foot.

617

(Woolwich Section, No. 28.)

Scales, mathematical, boxwood—			
No. 11, Mark I. ....	....	L	2 feet long. $\frac{1}{2500}$ and $\frac{1}{5000}$. In case.

(Woolwich Section, No. 29.)

†Standard, length, Mark I.	L	43 inches long. 3 feet divided into feet; and 5 links. In wood case.
---------------------------------	------	---	--

† This was formerly described as "Scale No. 10." It is not a scale but a standard of length.

(WOOLWICH SECTION, No. 28.)

12046.—Screw, brass binding,			
Mark I. .. ..	..	L	For electrical purposes.

To become obsolete.

In future manufacture, terminals, electrical instruments (§§ 11146, 11802) will be used in place of the above-mentioned brass binding screw (§ 7907) in all stores in which the screw has hitherto been used.

The screw will become obsolete when present stock has been used up.

14th Jan. 1904.
57
Gen. No.
4911

12047.—Telephone, Ader, small—			
Bell, alarum, electric,			
Mark I. ....	..	L	
Board, terminal, G,			
Mark I. ....	..	L	
Cord, receiver, Marks			
I. and II. ....	..	L	
Receiver, Mark I. ....	..	L	
Switch, electric, A,			
Mark I. ....	..	L	
Transmitter, Marks			
I., I.*, and II. ....	..	L	

Obsolete.

The above-mentioned stores (§§ 8065, 7997, 8066, 8067, 8148, 8068) are hereby declared obsolete, and will be dealt with accordingly.

27th April 1903.
29th Dec. 1903.
57
Chatham
5142

618

(WOOLWICH SECTION, No. 29.)

12048 — Dischargers, lightning—

Circular, Mark II.	..			Telephone and telegraph offices.
Mounted	..	..		Unmounted discharger, on wood base, with plates and connecting screws, and cover.
Single	..	..	L	For one wire.
Base	..	..	L	Wood, with plates and connecting screws.
Cover	..	..	L	Wood.
Double	..	..	L	For two wires.
Base	..	..	L	Wood, with plates and connecting screws.
Cover	..	..	L	Wood.
Unmounted	..	..	L	Upper and lower carbon disc, mica disc, clip and screw.
Bobbin, Mark I.	..	..	L	With fixing screw; field telegraph equipment.

New patterns.

Discharger, lightning,
field, 2-line plate .. L

To become obsolete.

11th Nov. 1903.

7901

786

Patterns of the above-mentioned "Mark II. circular" and "Mark I. bobbin" lightning dischargers have been sealed to govern future manufacture.

The "Discharger, lightning, circular, Mark II.," is for permanent telegraphs and telephones, and is similar to the G.P.O. pattern of carbon plate discharger.

The existing stock of Mark I. circular dischargers (§ 8673) will be used up.

The "Discharger, lightning, bobbin, Mark I.," is for field telegraphs and comprises a small metal bobbin wound with 14 double turns (52 inches) of "Wire, electric, covered, A 3." The bobbin is bored to receive a No. 4 B.A. fixing screw.

The bobbin discharger will supersede the "Discharger, lightning, field, 2-line plate" (§ 3957), and so soon as the existing stock of the latter is used up that pattern will be regarded as obsolete.

619

12049.—Mattock, telegraph equipment, Mark I. ..	L	Helve; in case.
Case, Mark I. ..	L	Leather.
Head, Mark I. ..	L	Steel.
Helve, Mark I. ..	L	Wood, steel shod.

A pattern of the above-mentioned mattock has been sealed to govern manufacture. 30th Nov. 1903.

The mattock is for use as a digging tool by telegraph linesmen, and is provided with a leather case adapted for mounted use.

7901
596

12050.—Mekometer, general service—		
Cord, Mark I. ..	L	25 yards long, with two hooks.
Handle, Mark I. ..	L	For use with left or right instrument.
Instrument, left, Mark I. ..	L	With high and low power telescopes, and one handle; in case.
Case, Mark I. ..	L	Leather, with shoulder strap.
Instrument, right, Mark I. ..	L	With high and low power telescopes, and one handle; in case.
Case, Mark I. ..	L	Leather, with detachable shoulder strap.
Reel, Mark I. ..	L	
Set, Mark I. ..	L	Two cords, one left instrument, one right instrument, and two reels.
Telescope, high power ..	L	Magnification 6 to 1.
Telescope, low power ..	L	Magnification 2 to 1.

Patterns of the above-mentioned stores have been sealed to govern future supplies.

These stores will supersede the existing mekometers (§§ 6515, 7995, 7996, 8671, 8711, 8927, 9011, 9012, 9309, 9463, 10005, 10678, 11648) for all services, the stock of which will be used up

(81)

C

They differ from other mekometers in the following main points:—

- (1.) The instruments and reels are made of magnalium.
- (2.) They are slightly larger.
- (3.) The right instrument is graduated for use with a 25-yard base, with all arms.

In consequence of the introduction of the above-mentioned stores the items mentioned below will become obsolete as the existing stock becomes exhausted.

Mekometer, artillery, horse
and field—

Right, Mark I. ....	..	L
Left, Mark I. ....	...	L
Reel and cord, Mark I. ....	...	L

Mekometer, artillery,
mountain—

Right, Mark I. ....	...	L
Left, Mark I. ....	...	L

Mekometer, infantry—

Right, Mark I. ....	...	L
Left, Mark I. ....	...	L

Mekometer, infantry or
mountain artillery—

Reel and cord, Mark II....		L
----------------------------	--	---

12051.—Rheostat, Mark II.	..	L	For duplex working, 40 to 4,000 ohms, with three large pegs for extra 10, 20, and 4,000 ohms
---------------------------	----	---	--

10th Dec. 1903.

7901

608

A pattern of the above-mentioned rheostat has been sealed to govern future manufacture.

It differs from the previous pattern (mentioned at page 1401, *Prised Vocabulary of Stores, 1902*, but not hitherto announced in *List of Changes*) in the following particulars:—

1. Instead of the coils being in a circular brass cover with the two revolving arms fixed at one centre, they are enclosed in an oblong mahogany case with ebonite cover, and the revolving arms are at separate centres.
2. The commutator, for introducing extra coils, and the terminals are situated on top instead of around the edge of wood base.
3. The pegs are of standard size.

621

12052.—Rulers, plane table:—

Large, Mark I.	..	L	2 feet long. In case.
Case, Mark I.	..	L	Wood.
Small, Mark II.	..	L	18 inches long, with compass. In case.
Case, Mark I.	..	L	Leather; with 2 straps.
Small, Mark III.	..	L	16 inches long. In case.
Case, Mark I.	..	L	Leather; with 2 straps.

Nomenclature.

The nomenclature of the above-mentioned stores (§§ 7352, 10006, 11843) has been altered to read as now shown.

4th Jan. 1904.

57

Gen. No.

4944

12053.—Stamps, Army telegraph—

Paid	L	Indiarubber, with wood frame, to fit in case of stamp, dating.
------------	----	---	--

(1.) New pattern.

Dating	L	Steel, with revolving date and code letter wheels, in japanned tin case, with inking pad and tray, rubber stamping pad, and screw-capped flask for ink; without stamp, "Paid."
--------------	----	---	--

(2.) Nomenclature.

(1.) A pattern of the above-mentioned "Paid" stamp has been sealed to govern manufacture.

It is for use in stamping paid Army telegraph messages.

31st Oct. 1903.

26

Engineers

294

(2.) Consequent on the introduction of the "Paid" stamp, the nomenclature of the "Dating" stamp (§ 5693) has been amended as shown above.

622

12054.—Staples, supporting
wire—
Large L
Small L

Obsolete.

24th Nov. 1903. Staples of the above-mentioned description (§§ 2414, 5694)
7901 will be regarded as obsolete, and will be dealt with accordingly.
953

12055.—Telephone, operators—

Box, spare carbon.

Mark I. L

Wood; containing $\frac{1}{2}$ oz.
carbon in crystals.

Nomenclature.

28th Oct. 1903. The nomenclature of the above-mentioned store (§ 8473) has
57 been altered to read as now shown.
24
4855

NAVAL.

(SECTION II.)

12056.—Box, spare parts and
implements, Maxim,
G.G. chamber, or
'303-inch converted,
Marks I. and II. .. N

Alteration to take any "Mark" of gun lock.

29th Oct. 1903. In future manufacture of Mark II. boxes (§ 11457) of the
57 above-mentioned description, the internal fittings will be
Gen. No. arranged to take any "Mark" of '303-inch Maxim gun lock
4375 (§ 10882).

This modification will be carried out to existing Marks I.
and II. boxes when under repair.

623

List of Lithographs.

(Issued since notice on p. 513, Vol. XXII.)

	No. of plate.
Cartridge, Q.F., 12½-pr., Case shot, Mark I.	{ R.L. 309
Fuze, T. and P., 17 seconds, No. 59, Mark I.	{ 310
Igniter, fuze, T. and P., 17 seconds, No. 59, Mark I.	
Cartridge, Q.F., or Q.F.C.— Adapter, Mark IV.	{ 311
Cartridge, Q.F., 12½-pr., Shrapnel shell, Mark I. (method of filling)	{ 312
Tube, vent sealing, friction, V., Mark VII.	{ 313
Tube, electric, No. 10, Mark IV.	{ 314
Cartridge, B.L., 5 inch gun, 15½ lb., S.P., Mark I.	{ 315
Fuze, T. and P., No. 60, Mark I.	{ 316
Cartridge, R.M.L., 10-inch, 20 lb. 6 oz, cordite, size 10, Mark I.	{ 317

H. Brackenbury
D. G. O.

WAR OFFICE,
1st February, 1904.

ERRATA.

27th Oct. 1903. § 11702. Page 308, Vol. XXII.—

7896
765

Delete 16th and 17th lines from top of page (sub-paragraph 5).

Table of Dimensions—

Column 9, opposite "Large."

For "23" inches, read "25" inches.

23rd Nov. 1903. § 11756. Page 363, Vol. XXII.—

75
3
884

Adapter, Mark IV.—

Details appended to nomenclature and fourth line of text—

After "Aluminium," insert "or manganese."

§ 11960. Page 539, Vol. XXII.—

Woolwich Sections—

Gun-arcs—

Q.F., 15-pr. gun, should be Woolwich Section, No. 13.

Q.F., 4.7-inch B, Marks I. to IV.* guns, should be Woolwich Section, No. 15.

Remainder B.L., should be Woolwich Section, No. 17.

LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
BY HARRISON AND SONS,
PRINTERS IN ORDINARY TO HIS MAJESTY.
[6000—2 | 1904—81wo.]